

Discrete Semiconductor Selection Guide



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Welcome to the Discrete Semiconductor Selection Guide from Anglia.

The aim of this guide is to provide a quick and easy to use overview of the extensive range of industry standard part numbers from the wide variety of manufacturers available from Anglia.

At the foot of each page is a unique reference code field. If you are using a paper based version of this selection guide, enter this code in the search box at Anglia-Live.com to view full technical parametric data and product data sheets. If you are using an interactive PDF version of this guide, simply click on the reference code field and you will be taken to the data on Anglia Live.

Please note that the technical data and package sizes referenced in this book are indicative of typical values. In many occurrences a part number may be available from multiple manufacturers and there may be slight variations in values. Always refer to the manufacturers data sheet on www.Anglia-Live.com to confirm the full technical specification. This guide provides a snapshot of the popular industry standard parts numbers. Many more are available on www.anglia-live.com.

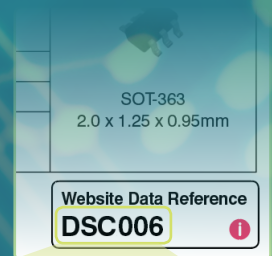
● Using our website data reference

Find more information on any part in our '**Discrete Semiconductor Selection Guide**' by using our dedicated website data reference.

Go to www.anglia-live.com

Enter the '**website data reference**' into our search field at the top of the home page.

Browse the range for more pricing, information and specifications.



● How to Order

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About Anglia

Anglia is the UK's leading independent authorised distributor of semiconductors, optoelectronics, interconnect, and passive and electromechanical components. A signatory of the ADS SC21 programme, the company holds AS9120, ISO9001 & ISO14001 accreditations and IECQ-CECC qualification.

Renowned for our great customer service and comprehensive technical support, Anglia has gained a wealth of experience and a thorough understanding of the market having served the electronics industry for over 40 years. Technically adept, we support OEM and EMS companies in every sector of electronics manufacturing. Our suppliers include some of the world's leading electronic component brands, complemented by many smaller companies with leadership in their chosen technologies.





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SMALL SIGNAL DIODE

SWITCHING - SINGLE

Surface Mount

Part Number	Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
1SS400	–	80V	200mA	 SOD-523F 1.2 x 0.8 x 0.6mm
BAS16T	–	85V	155mA	 SOT-523 1.6 x 0.8 x 0.7mm
BAS21T	–	200V	200mA	
MMBD4448HT	–	80V	250mA	
BAV16WS	–	75V	150mA	 SOD-323 1.7 x 1.3 x 1.05mm
1N4148WS	–	75V	150mA	
1SS355	–	80V		
1N4448WS	–	100V		
BAV19WS	–	120V	200mA	
BAV20WS	–	200V		
BAV21WS	–	250V		
1N4148WSF	–	100V	250mA	
BAS16W	MMBD4148W	75V	150mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAS19W	–	100V	200mA	
BAS20W	–	150V		
BAS21W	–	200V		
MMBD4448W	–	75V	250mA	
1N4448W	–	75V	150mA	 SOD-123 2.65 x 1.6 x 1.15mm
BAV16W	1N4148W	100V	200mA	
BAV19W	–	100V		
BAV20W	–	150V		
BAV21W	–	250V		
BAV3004W	–	300V	225mA	
MMBD4148	MMBD4448	75V	150mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAS16	MMBD914		200mA	
BAS19	–	100V		
BAS20	–	150V		
BAS21	–	200V		
BAS116	–	85V	215mA	
BAL99	–	75V	300mA	
LL4448	–	75V	150mA	 Mini MELF (SOD-80C) 3.5mm x 1.5mm
LL4148	–	100V		

Website Data Reference
DSC001 ⓘ

Through Hole

1N4148	1N4448	100V	150mA	 DO-35 (Glass) 4.25 x 1.85 x 0.56
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Website Data Reference
DSC002 ⓘ

SMALL SIGNAL DIODE

SWITCHING - ARRAY

Surface Mount					
Part Number	Type	Configuration	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
BAW56W	CA	(Fig. 1)	75V	150mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAW156			75V	160mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAW56			85V	200mA	
BAS21A			250V		
BAV70W	CC	(Fig. 2)	70V	150mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAV170			85V	125mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAV70			70V	150mA	
BAS21C			250V	200mA	
BAV99W	1 Pair Series	(Fig . 3)	75V	150mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAV199W			85V	160mA	
BAV199			85V	140mA	 SOT-23 2.9 x 1.3 x 1.0mm
MMBD7000			100V	200mA	
BAV99			70V		
BAS21S			250V		
MMBD3004S			350V	225mA	
Website Data Reference DSC003 					

Diagrams

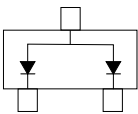


Fig. 1

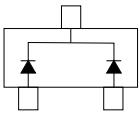


Fig. 2

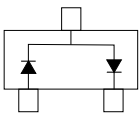


Fig. 3

SMALL SIGNAL DIODE

SWITCHING - ARRAY

Surface Mount

Part Number	Type	Configuration	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _O)	Device Package
BAW56DW	2 Pair CA	(Fig. 4)	75V	150mA	 SOT-363 2.0 x 1.25 x 0.95mm
BAV70DV	2 Pair CC	(Fig. 5)	75V	150mA	 SOT-563 1.6 x 1.2 x 0.6mm
BAV70DW			75V	150mA	 SOT-363 2.0 x 1.25 x 0.95mm
BAV99BRV	2 Pair Series	(Fig. 6)	75V	150mA	 SOT-563 1.6 x 1.2 x 0.6mm
BAV99BRW		(Fig. 7)	75V	150mA	 SOT-363 2.0 x 1.25 x 0.95mm
BAV99S		(Fig. 8)	100V		
MMBD3004BRM		(Fig. 7)	350V	225mA	 SOT-26 3.0 x 1.6 x 1.1mm
BAS16TW	3 Single	(Fig. 9)	75V	150mA	 SOT-363 2.0 x 1.25 x 0.95mm

Website Data Reference
DSC004 

Diagrams

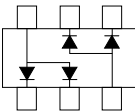


Fig. 4

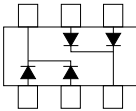


Fig. 5

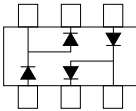


Fig. 6

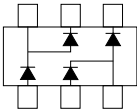


Fig. 7

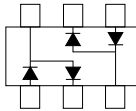


Fig. 8

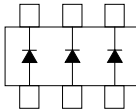


Fig. 9

SMALL SIGNAL DIODE

SCHOTTKY - SINGLE

Surface Mount

Part Number	Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
1SS388	–	40V	100mA	 SOD-523 1.2 x 0.8 x 0.6mm
BAT54T	–	30V	200mA	 SOT-523 1.6 x 0.8 x 0.7mm
BAT54WS	SD107WS	30V	100mA	 SOD-323 1.7 x 1.3 x 1.05mm
BAT42WS	BAT43WS		200mA	
SD103CWS	–	20V	350mA	
SD103BWS	–	30V		
SD103AWS	–	40V		
BAS70W	–	70V	70mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAT54W	–	30V	200mA	
BAS40W	–	40V		
BAT42W	–	30V	200mA	 SOD-123 2.65 x 1.6 x 1.15mm
SD103CW	–	20V	350mA	
SD103BW	–	30V		
SD103AW	–	40V		
BAS70	–	70V	70mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAT54	–	30V	200mA	
BAS40	–	40V	500mA	
BAT400D	–		750mA	
BAT750	–			
LLSD103C	–	20V	350mA	 Mini MELF (SOD-80C) 3.5 x 1.5mm
LLSD103B	–	30V		
LLSD103A	–	40V		

Website Data Reference
DSC005



SMALL SIGNAL DIODE

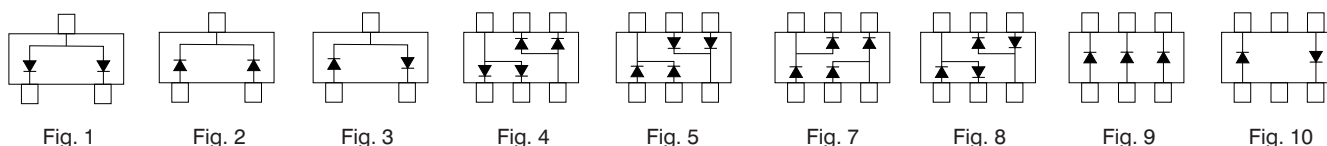
SCHOTTKY - ARRAY

Surface Mount

Part Number	Type	Configuration	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
BAT54AW	CA	(Fig. 1)	30V	200mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAS70-06			70V	70mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAT54A			30V	200mA	
BAS40-06			40V		
RB715F	CC	(Fig. 2)	40V	30mA	 SOT-323 2.0 x 1.25 x 0.95mm.
BAT54CW			30V	200mA	
BAS70-05			70V	70mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAS40-05			40V	200mA	
BAT54C			30V		
BAT54SW	1 Pair Series	(Fig. 3)	30V	200mA	 SOT-323 2.0 x 1.25 x 0.95mm
BAS70-04			70V	70mA	 SOT-23 2.9 x 1.3 x 1.0mm
BAT54S			30V	200mA	
BAS40-04			40V		
BAT54ADW	2 Pair CA	(Fig. 4)	30V	200mA	 SOT-363 2.0 x 1.25 x 0.95mm
BAT54CDW	2 Pair CC	(Fig. 5)			
BAT54BRW	2 Pair Series	(Fig. 7)			
BAT54SDW	2 Pair Series	(Fig. 8)			
BAT54DW	2 Single	(Fig. 10)			
BAS70TW	3 Single	(Fig. 9)	70V	70mA	
BAT54TW			30V	200mA	
BAS40TW			40V		

Website Data Reference
DSC006 

Diagrams



STANDARD RECTIFIER DIODE

SINGLE

Surface Mount

Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
S1A	50V	1A	 SMA 4.3 x 2.6 x 2.2mm
S1B	100V		
S1D	200V		
S1G	400V		
S1J	600V		
S1K	800V		
S1M	1000V		
S2AA	50V	2A	
S2BA	100V		
S2DA	200V		
S2GA	400V		
S2JA	600V		
S2KA	800V		
S2MA	1000V		
S1AB	50V	1A	 SMB 4.3 x 3.6 x 2.3mm
S1BB	100V		
S1DB	200V		
S1GB	400V		
S1JB	600V		
S1KB	800V		
S1MB	1000V		
S2A	50V	2A	
S2B	100V		
S2D	200V		
S2G	400V		
S2J	600V		
S2K	800V		
S2M	1000V		
S3AB	50V	3A	
S3BB	100V		
S3DB	200V		
S3GB	400V		
S3JB	600V		
S3KB	800V		
S3MB	1000V		
S3A	50V	3A	 SMC 6.8 x 5.9 x 2.3mm
S3B	100V		
S3D	200V		
S3G	400V		
S3J	600V		
S3K	800V		
S3M	1000V		
S5AC	50V	5A	
S5BC	100V		
S5DC	200V		
S5GC	400V		
S5JC	600V		
S5KC	800V		
S5MC	1000V		

Website Data Reference
DSC007



STANDARD RECTIFIER DIODE SINGLE

Through Hole

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
D1G	–	50V	1A	 T-1 2.9 x 2.4 x 0.6mm
D2G	–	100V		
D3G	–	200V		
D4G	–	400V		
D5G	–	600V		
D6G	–	800V		
D7G	–	1000V		
1A1	–	50V	1A	 R1 3.2 x 2.4 x 0.6mm
1A2	–	100V		
1A3	–	200V		
1A4	–	400V		
1A5	–	600V		
1A6	–	800V		
1A7	–	1000V		
1N4001	1N4001G	50V	1A	 DO-41 4.7 x 2.35 x 0.8mm
1N4002	1N4002G	100V		
1N4003	1N4003G	200V		
1N4004	1N4004G	400V		
1N4005	1N4005G	600V		
1N4006	1N4006G	800V		
1N4007	1N4007G	1000V		
1N5391S	–	50V	1.5A	 DO-41 4.7 x 2.35 x 0.8mm
1N5392S	–	100V		
1N5393S	–	200V		
1N5395S	–	400V		
1N5396S	–	600V		
1N5397S	–	800V		
1N5398S	–	1000V		
1N5399S	–	50V		

Website Data Reference
DSC008 

Silicon-Controlled Rectifiers (SCR)

Silicon-controlled rectifiers (SCR), also known as TRIAC's and Thyristors, are symmetrical blocking unidirectional and bidirectional switching diodes.

Anglia has a wide range of SCR, Thyristors, TRIAC's along with the associated trigger devices DIAC's & SIDAC's, they can be used to control the flow of electrical current within a circuit for a multitude of applications.

The portfolio encompasses:

- High Voltage and Ampere ratings
- Unidirectional & Bidirectional devices
- High voltage capability
- High surge capability
- Wide selection of thru-hole and surface mount package options

A wide range of SCRs are available from our global leading partners, follow the link to view the portfolio.

Website Data Reference
DSC009 



STANDARD RECTIFIER DIODE SINGLE

Through Hole

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
1N5391	1N5391G	50V	1.5A	 DO-15 6.6 x 3.1 x 0.8mm
1N5392	1N5392G	100V		
1N5393	1N5393G	200V		
1N5395	1N5395G	400V		
1N5396	1N5397G	600V		
1N5397	1N5398G	800V		
1N5398	1N5399G	1000V		
1N5399	–	50V		
2A01	2A01G	50V	2A	
2A02	2A02G	100V		
2A03	2A03G	200V		
2A04	2A04G	400V		
2A05	2A05G	600V		
2A06	2A06G	800V		
2A07	2A07G	1000V		
RL201	–	50V	2A	
RL202	–	100V		
RL203	–	200V		
RL204	–	400V		
RL205	–	600V		
RL206	–	800V		
RL207	–	1000V		
1N5400	1N5400G	50V	3A	 DO-201AD 8.4 x 5.0 x 1.25mm
1N5401	1N5401G	100V		
1N5402	1N5402G	200V		
1N5404	1N5404G	400V		
1N5406	1N5406G	600V		
1N5407	1N5407G	800V		
1N5408	1N5408G	1000V		
6A05	–	50V	6A	 R6 8.9 x 8.9 x 1.25mm
6A1	–	100V		
6A2	–	200V		
6A4	–	400V		
6A6	–	600V		
6A8	–	800V		
6A10	–	1000V		

Website Data Reference
DSC010 

SCHOTTKY RECTIFIER DIODE

SINGLE

Surface Mount

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
B0520WS	–	20V	200mA	 SOD-323 1.7 x 1.3 x 1.05mm
B0530WS	–	30V		
B0540WS	–	40V		
B0520LW	–	20V	500mA	 SOD-123 2.65 x 1.6 x 1.15mm
B0530W	–	30V		
B0540W	–	40V		
B120	SS12	20V	1A	 SMA 4.3 x 2.6 x 2.2mm
B130	SS13	30V		
B140	SS14	40V		
B150	SS15	50V		
B160	SS16	60V		
B170	–	70V		
B180	–	80V		
B190	–	90V		
B1100	–	100V		
B220A	–	20V	2A	
B230A	–	30V		
B240A	–	40V		
B250A	–	50V		
B260A	–	60V		
B320A	–	20V	3A	
B330A	–	30V		
B340A	B340LA	40V		
B345A	–	45V		
B350A	–	50V		
B360A	–	60V		
B120B	SK12	20V	1A	 SMB 4.3 x 3.6 x 2.3mm
B130B	SK13	30V		
B140B	SK14	40V		
B150B	SK15	50V		
B160B	SK16	60V		
B170B	B170LB	70V		
B180B	B180LB	80V		
B190B	B190LB	90V		
B1100B	B1100LB	100V		
B220	SS22	20V	2A	
B230	SS23	30V		
B240	SS24	40V		
B250	SS25	50V		
B260	SS26	60V		
B270	–	70V		
B280	SS28	80V		
B290	SS29	90V		
B2100	SS210	100V		

Website Data Reference
DSC011



SCHOTTKY RECTIFIER DIODE

SINGLE

Surface Mount

Part Number			Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package	
B320B	—	—	20V	3A	 SMB 4.3 x 3.6 x 2.3mm	
B330B	—	—	30V			
B340B	—	—	40V			
B350B	—	—	50V			
B360B	—	—	60V			
B370B	—	—	70V			
B380B	—	—	80V			
B390B	—	—	90V			
B3100B	—	—	100V			
B3200B	—	—	200V			
B320	SK32	SS32	20V	3A	 SMC 6.8 x 5.9 x 2.3mm	
B330	SK33	SS33	30V			
B340	SK34	SS34	40V			
B350	SK35	—	50V			
B360	SK36	SS36	60V			
B370	—	—	70V			
B380	—	—	80V			
B390	—	—	90V			
B3100	—	SS310	100V			
B520C	—	—	20V	5A		
B530C	—	—	30V			
B540C	—	—	40V			
B550C	—	—	50V			
B560C	—	—	60V			
B5100C	—	—	100V			
B5150C	—	—	150V			

Website Data Reference
DSC012



SCHOTTKY RECTIFIER DIODE

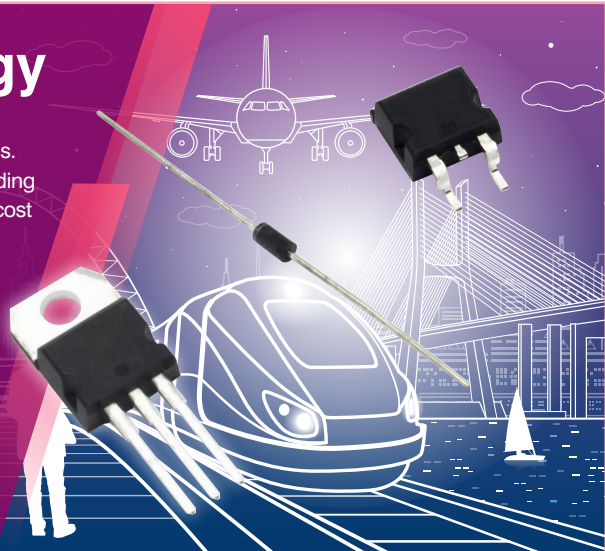
The Power of SiC Technology

Silicon Carbide (SiC) based components offer superior efficiency, low weight, small size and improved thermal characteristics for high performance applications. Anglia stocks a range of SiC Diodes and MOSFETs from some of the world's leading suppliers enabling designers to improve efficiency and reliability whilst lowering cost and operating temperatures.

- High efficiency
- Reduced size and cost
- Lower EMC
- High robustness ensuring high reliability

Wide portfolio of products available from Anglia's world class partners, visit the link to view the range.

Website Data Reference
DSC013



SCHOTTKY RECTIFIER DIODE

SINGLE

Through Hole

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
SB120	1N5817	20V	1A	 DO-41 4.7 x 2.35 x 0.8mm
SB130	1N5818	30V		
SB140	1N5819	40V		
SB150	–	50V		
SB160	–	60V		
SB170	–	70V		
SB180	–	80V		
SB190	–	90V		
SB1100	–	100V		
SB220	–	20V	2A	 DO-15 6.6 x 3.1 x 0.8mm
SB230	–	30V		
SB240	–	40V		
SB250	–	50V		
SB260	–	60V		
SB270	–	70V		
SB280	–	80V		
SB290	–	90V		
SB2100	–	100V		
SB320	1N5820	20V	3A	 DO-201AD 8.4 x 5.0 x 1.25mm
SB330	1N5821	30V		
SB340	1N5822	40V		
SB350	–	50V		
SB360	–	60V		
SB370	–	70V		
SB380	–	80V		
SB390	–	90V		
SB3100	–	100V		
SB3150	–	150V		
SB520	–	20V	5A	
SB530	–	30V		
SB540	–	40V		
SB550	–	50V		
SB560	–	60V		
SB570	–	70V		
SB580	–	80V		
SB590	–	90V		
SB5100	–	100V		
SB5120	–	120V		
SB5150	–	150V		

Website Data Reference

DSC014



SCHOTTKY RECTIFIER DIODE

SINGLE

Through Hole

Part Number			Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
SBL530	–	–	30V	5A	 TO-220AC 10.2 x 15.11 x 4.45mm
SBL535	–	–	35V		
SBL540	–	–	40V		
SBL545	–	–	45V		
SBL550	–	–	50V		
SBL560	–	–	60V		
MBR730	–	–	30V	7.5A	
MBR735	–	–	35V		
MBR740	–	–	40V		
MBR745	–	–	45V		
MBR750	–	–	50V		
MBR760	–	–	60V		
–	–	SB820	20V	8A	
MBR830	SBL830	SB830	30V		
MBR835	SBL835	–	35V		
MBR840	SBL840	SB840	40V		
MBR845	SBL845	SB845	45V		
MBR850	SBL850	–	50V		
MBR860	SBL860	–	60V		
MBR880	–	–	80V		
MBR890	–	–	90V		
MBR8100	–	–	100V		
MBR8150	–	–	150V		
MBR8200	–	–	200V		
MBR1030	SBL1030	–	30V	10A	
MBR1035	SBL1035	–	35V		
MBR1040	SBL1040	–	40V		
MBR1045	SBL1045	–	45V		
MBR1050	SBL1050	–	50V		
MBR1060	SBL1060	–	60V		
MBR1080	–	–	80V		
MBR1090	–	–	90V		
MBR10100	–	–	100V		
MBR10150	–	–	150V		
MBR10200	–	–	200V		
MBR1630	SBL1630	–	30V		
MBR1635	SBL1635	–	35V		
MBR1640	SBL1640	–	40V		
MBR1645	SBL1645	–	45V		
MBR1650	SBL1650	–	50V		
MBR1660	SBL1660	–	60V		
MBRF1045	–	–	45V	10A	 ITO-220AC 9.95 x 15.15mm
MBRF1060	–	–	60V		
MBRF1090	–	–	90V		
MBRF10100	–	–	100V		

Website Data Reference
DSC015

SCHOTTKY RECTIFIER DIODE ARRAY

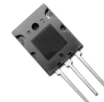
Through Hole – Common Cathode

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
MBR1030CT	–	30V	10A	 TO-220AB 10.2 x 15.11 x 4.45mm
MBR1035CT	–	35V		
MBR1040CT	–	40V		
MBR1045CT	–	45V		
MBR1050CT	–	50V		
MBR1060CT	–	60V		
MBR1070CT	–	70V		
MBR1080CT	–	80V		
MBR1090CT	–	90V		
MBR10100CT	–	100V		
MBR10125CT	–	125V		
MBR10150CT	–	150V		
MBR10200CT	–	200V		
MBR1530CT	–	30V	15A	
MBR1535CT	–	35V		
MBR1540CT	–	40V		
MBR1545CT	–	45V		
MBR1550CT	–	50V		
MBR1560CT	–	60V		
–	SBL1630CT	30V	16A	
–	SBL1635CT	35V		
MBR1640CT	SBL1640CT	40V		
MBR1645CT	SBL1645CT	45V		
MBR1650CT	SBL1650CT	50V		
MBR1660CT	SBL1660CT	60V		
MBR1670CT	–	70V		
MBR1680CT	–	80V		
MBR1690CT	–	90V		
MBR16100CT	–	100V		
MBR16150CT	–	150V		
MBR16200CT	–	200V		
–	SBL2030CT	30V	20A	
–	SBL2035CT	35V		
MBR2040CT	SBL2040CT	40V		
MBR2045CT	SBL2045CT	45V		
MBR2050CT	SBL2050CT	50V		
MBR2060CT	SBL2060CT	60V		
MBR2070CT	–	70V		
MBR2080CT	–	80V		
MBR2090CT	–	90V		
MBR20100CT	–	100V		
MBR20150CT	–	150V		
MBR20200CT	–	200V		
MBR2530CT	–	30V	25A	
MBR2535CT	–	35V		
MBR2540CT	–	40V		
MBR2545CT	–	45V		
MBR2550CT	–	50V		
MBR2560CT	–	60V		
MBR2580CT	–	80V		
MBR2590CT	–	90V		
MBR25100CT	–	100V		
MBR25150CT	–	150V		
MBR25200CT	–	200V		

Website Data Reference
DSC016 

SCHOTTKY RECTIFIER DIODE ARRAY

Through Hole – Common Cathode

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package	
–	SBL3030CT	30V	30A	 TO-220AB 10.2 x 15.11 x 4.45mm	
MBR3040CT	SBL3040CT	40V			
MBR3045CT	SBL3045CT	45V			
MBR3050CT	SBL3050CT	50V			
MBR3060CT	SBL3060CT	60V			
MBR3080CT	–	80V			
MBR3090CT	–	90V			
MBR30100CT	–	100V			
MBR30150CT	–	150V			
MBR30200CT	–	200V			
MBRF1030CT	–	30V	10A	 ITO-220AB 10.2 x 16 x 4.56mm	
MBRF1040CT	–	40V			
MBRF1045CT	–	45V			
MBRF1060CT	–	60V			
MBRF1090CT	–	90V			
MBRF10100CT	–	100V			
MBRF10150CT	–	150V			
MBRF10200CT	–	200V			
MBRF16100CT	–	100V			16A
MBRF2030CT	–	30V			20A
MBRF2040CT	–	40V			
MBRF2045CT	–	45V			
MBRF2060CT	–	60V			
MBRF2070CT	–	70V			
MBRF2090CT	–	90V			
MBRF20100CT	–	100V			
MBRF20150CT	–	150V			
MBRF20200CT	–	200V			
MBRF30100CT	–	100V	30A		
MBR3040PT	–	40V	30A		 TO-3P 16.15 x 21.05 x 5.03mm
MBR3045PT	–	45V			
MBR3050PT	–	50V			
MBR3060PT	–	60V			
MBR3080PT	–	80V			
MBR3090PT	–	90V			
MBR4040PT	–	40V		40A	
MBR4045PT	–	45V			
MBR4050PT	–	50V			
MBR4060PT	–	60V			
MBR4080PT	–	80V			
MBR4090PT	–	90V			
MBR40100PT	–	100V			
MBR40150PT	–	150V			
MBR40200PT	–	200V			
MBR6040PT	–	40V	60A		
MBR6045PT	–	45V			
MBR6050PT	–	50V			
MBR6060PT	–	60V			
MBR6080PT	–	80V			
MBR6090PT	–	90V			
MBR60100PT	–	100V			
MBR60150PT	–	150V			
MBR60200PT	–	200V			

Website Data Reference
DSC017

ZENER DIODE

SINGLE

Surface Mount

Part Number		Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
BZX84C2V4W	MMBZ5221BW	2.4V	200mW	 SOT-323 2.0 x 1.25 x 0.95mm
-	MMBZ5222BW	2.5V		
BZX84C2V7W	MMBZ5223BW	2.7V		
-	MMBZ5225BW	3V		
BZX84C3V3W	MMBZ5226BW	3.3V		
BZX84C3V6W	MMBZ5227BW	3.6V		
BZX84C3V9W	MMBZ5228BW	3.9V		
BZX84C4V3W	MMBZ5229BW	4.3V		
BZX84C4V7W	MMBZ5230BW	4.7V		
BZX84C5V1W	MMBZ5231BW	5.1V		
BZX84C5V6W	MMBZ5232BW	5.6V		
-	MMBZ5233BW	6V		
BZX84C6V2W	MMBZ5234BW	6.2V		
BZX84C6V8W	MMBZ5235BW	6.8V		
BZX84C7V5W	MMBZ5236BW	7.5V		
BZX84C8V2W	MMBZ5237BW	8.2V		
BZX84C8V7W	MMBZ5238BW	8.7V		
BZX84C9V1W	MMBZ5239BW	9.1V		
BZX84C10W	MMBZ5240BW	10V		
BZX84C11W	MMBZ5241BW	11V		
BZX84C12W	MMBZ5242BW	12V		
BZX84C13W	MMBZ5244BW	13V		
-	MMBZ5243BW	14V		
BZX84C15W	MMBZ5245BW	15V		
BZX84C16W	MMBZ5246BW	16V		
-	MMBZ5247BW	17V		
BZX84C18W	MMBZ5248BW	18V		
BZX84C20W	MMBZ5250BW	20V		
BZX84C22W	MMBZ5251BW	22V		
BZX84C24W	MMBZ5252BW	24V		
BZX84C27W	MMBZ5254BW	27V		
-	MMBZ5255BW	28V		
BZX84C30W	MMBZ5256BW	30V		
BZX84C33W	MMBZ5257BW	33V		
BZX84C36W	MMBZ5258BW	36V		
BZX84C39W	MMBZ5259BW	39V		
BZX84C43W	MMBZ5260BW	43V		
BZX84C47W	MMBZ5261BW	47V		
BZX84C51W	MMBZ5262BW	51V		
BZX84C56W	-	56V		
BZX84C62W	-	62V		
BZX84C68W	-	68V		
BZX84C75W	-	75V		

Website Data Reference
DSC018 

ZENER DIODE

SINGLE

Surface Mount			
Part Number	Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
BZX584C2V4	2.4V	200mW	 SOD-523 1.2 x 0.8 x 0.6mm
BZX584C2V7	2.7V		
BZX584C3V0	3V		
BZX584C3V3	3.3V		
BZX584C3V6	3.6V		
BZX584C3V9	3.9V		
BZX584C4V3	4.3V		
BZX584C4V7	4.7V		
BZX584C5V1	5.1V		
BZX584C5V6	5.6V		
BZX584C6V2	6.2V		
BZX584C6V8	6.8V		
BZX584C7V5	7.5V		
BZX584C8V2	8.2V		
BZX584C8V7	8.7V		
BZX584C9V1	9.1V		
BZX584C10	10V		
BZX584C11	11V		
BZX584C12	12V		
BZX584C13	13V		
BZX584C14	14V		
BZX584C15	15V		
BZX584C16	16V		
BZX584C17	17V		
BZX584C18	18V		
BZX584C20	20V		
BZX584C22	22V		
BZX584C24	24V		
BZX584C27	27V		
BZX584C28	28V		
BZX584C30	30V		
BZX584C33	33V		
BZX584C36	36V		
BZX584C39	39V		
BZX584C43	43V		
BZX584C47	47V		
BZX584C51	51V		
BZX584C56	56V		
BZX584C62	62V		
BZX584C68	68V		
BZX584C75	75V		

Website Data Reference
DSC019 

ZENER DIODE

SINGLE

Surface Mount

Part Number		Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
BZT52C2V0S	–	2.0V	200mW	 SOD-323 1.7 x 1.3 x 1.05mm
BZT52C2V4S	MMSZ5222BS	2.4V		
–	MMSZ5221BS	2.5V		
BZT52C2V7S	MMSZ5223BS	2.7V		
BZT52C3V0S	MMSZ5225BS	3V		
BZT52C3V3S	MMSZ5226BS	3.3V		
BZT52C3V6S	MMSZ5227BS	3.6V		
BZT52C3V9S	MMSZ5228BS	3.9V		
BZT52C4V3S	MMSZ5230BS	4.3V		
BZT52C4V7S	MMSZ5229BS	4.7V		
BZT52C5V1S	MMSZ5231BS	5.1V		
BZT52C5V6S	MMSZ5232BS	5.6V		
–	MMSZ5233BS	6V		
BZT52C6V2S	MMSZ5234BS	6.2V		
BZT52C6V8S	MMSZ5235BS	6.8V		
BZT52C7V5S	MMSZ5236BS	7.5V		
BZT52C8V2S	MMSZ5237BS	8.2V		
–	MMSZ5238BS	8.7V		
BZT52C9V1S	MMSZ5239BS	9.1V		
BZT52C10S	MMSZ5240BS	10V		
BZT52C11S	MMSZ5241BS	11V		
BZT52C12S	MMSZ5242BS	12V		
BZT52C13S	MMSZ5243BS	13V		
BZT52C15S	MMSZ5245BS	15V		
BZT52C16S	MMSZ5247BS	16V		
–	MMSZ5246BS	17V		
BZT52C18S	MMSZ5248BS	18V		
BZT52C20S	MMSZ5250BS	20V		
BZT52C22S	MMSZ5251BS	22V		
BZT52C24S	MMSZ5252BS	24V		
BZT52C27S	MMSZ5254BS	27V		
–	MMSZ5255BS	28V		
BZT52C30S	MMSZ5256BS	30V		
BZT52C33S	MMSZ5257BS	33V		
BZT52C36S	MMSZ5258BS	36V		
BZT52C39S	MMSZ5259BS	39V		
–	MMSZ5260BS	43V		
–	MMSZ5261BS	47V		
BZT52C51S	MMSZ5262BS	51V		

Website Data Reference
DSC020 

ZENER DIODE

SINGLE

Surface Mount

Part Number			Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
BZX84B2V4	BZX84C2V4	MMBZ5221B	2.4V	410mW	 SOT-23 2.9 x 1.3 x 1.0mm
-	-	MMBZ5222B	2.5V		
BZX84B2V7	BZX84C2V7	MMBZ5223B	2.7V		
BZX84B3V0	BZX84C3V0	MMBZ5225B	3V		
BZX84B3V3	BZX84C3V3	MMBZ5226B	3.3V		
BZX84B3V6	BZX84C3V6	MMBZ5227B	3.6V		
BZX84B3V9	BZX84C3V9	MMBZ5229B	3.9V		
BZX84B4V3	BZX84C4V3	MMBZ5228B	4.3V		
BZX84B4V7	BZX84C4V7	MMBZ5230B	4.7V		
BZX84B5V1	BZX84C5V1	MMBZ5231B	5.1V		
BZX84B5V6	BZX84C5V6	MMBZ5232B	5.6V		
-	-	MMBZ5233B	6V		
BZX84B6V2	BZX84C6V2	MMBZ5234B	6.2V		
BZX84B6V8	BZX84C6V8	MMBZ5235B	6.8V		
BZX84B7V5	BZX84C7V5	MMBZ5236B	7.5V		
BZX84B8V2	BZX84C8V2	MMBZ5237B	8.2V		
BZX84B8V7	-	MMBZ5238B	8.7V		
BZX84B9V1	BZX84C9V1	MMBZ5239B	9.1V		
BZX84B10	BZX84C10	MMBZ5240B	10V		
BZX84B11	BZX84C11	MMBZ5241B	11V		
BZX84B12	BZX84C12	MMBZ5242B	12V		
BZX84B13	BZX84C13	MMBZ5243B	13V		
BZX84B14	-	MMBZ5244B	14V		
BZX84B15	BZX84C15	MMBZ5245B	15V		
BZX84B16	BZX84C16	MMBZ5246B	16V		
BZX84B17	-	MMBZ5247B	17V		
BZX84B18	BZX84C18	MMBZ5248B	18V		
-	-	MMBZ5249B	19V		
BZX84B20	BZX84C20	MMBZ5250B	20V		
BZX84B22	BZX84C22	MMBZ5251B	22V		
BZX84B24	BZX84C24	MMBZ5252B	24V		
-	-	MMBZ5253B	25V		
BZX84B27	BZX84C27	MMBZ5254B	27V		
BZX84B28	-	MMBZ5255B	28V		
BZX84B30	BZX84C30	MMBZ5256B	30V		
BZX84B33	BZX84C33	MMBZ5257B	33V		
BZX84B36	BZX84C36	MMBZ5258B	36V		
BZX84B39	BZX84C39	MMBZ5259B	39V		
BZX84B43	BZX84C43	MMBZ5260B	43V		
BZX84B47	BZX84C47	MMBZ5261B	47V		
BZX84B51	BZX84C51	MMBZ5262B	51V		
BZX84B56	BZX84C56	-	56V		
BZX84B62	BZX84C62	-	62V		
BZX84B68	BZX84C68	-	68V		
BZX84B75	BZX84C75	-	75V		

Website Data Reference
DSC021 

ZENER DIODE

SINGLE

Surface Mount

Part Number		Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
BZT52C2V4	MMSZ5221B	2.4V	500mW	 SOD-123 2.65 x 1.6 x 1.15mm
BZT52C2V7	MMSZ5223B	2.7V		
BZT52C3V0	MMSZ5225B	3V		
BZT52C3V3	MMSZ5226B	3.3V		
BZT52C3V6	MMSZ5227B	3.6V		
BZT52C3V9	MMSZ5228B	3.9V		
BZT52C4V3	MMSZ5229B	4.3V		
BZT52C4V7	MMSZ5230B	4.7V		
BZT52C5V1	MMSZ5231B	5.1V		
BZT52C5V6	MMSZ5232B	5.6V		
-	MMSZ5233B	6V		
BZT52C6V2	MMSZ5234B	6.2V		
BZT52C6V8	MMSZ5235B	6.8V		
BZT52C7V5	MMSZ5236B	7.5V		
BZT52C8V2	MMSZ5237B	8.2V		
-	MMSZ5238B	8.7V		
BZT52C9V1	MMSZ5239B	9.1V		
BZT52C10	MMSZ5240B	10V		
BZT52C11	MMSZ5241B	11V		
BZT52C12	MMSZ5242B	12V		
BZT52C13	MMSZ5243B	13V		
BZT52C15	MMSZ5245B	15V		
BZT52C16	MMSZ5246B	16V		
BZT52C18	MMSZ5248B	18V		
BZT52C20	MMSZ5250B	20V		
BZT52C22	MMSZ5251B	22V		
BZT52C24	MMSZ5252B	24V		
BZT52C27	MMSZ5254B	27V		
-	MMSZ5255B	28V		
BZT52C30	MMSZ5256B	30V		
BZT52C33	MMSZ5257B	33V		
BZT52C36	MMSZ5258B	36V		
BZT52C39	MMSZ5259B	39V		
BZT52C43	MMSZ5260B	43V		
BZT52C47	MMSZ5261B	47V		
BZT52C51	MMSZ5262B	51V		

Website Data Reference
DSC022 

ZENER DIODE

SINGLE

Surface Mount

Part Number	Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
ZMM5225B	3V	500mW	 Mini MELF (SOD-80C) 3.5 x 1.5mm
ZMM5226B	3.3V		
ZMM5227B	3.6V		
ZMM5228B	3.9V		
ZMM5229B	4.3V		
ZMM5230B	4.7V		
ZMM5231B	5.1V		
ZMM5232B	5.6V		
ZMM5233B	6V		
ZMM5234B	6.2V		
ZMM5235B	6.8V		
ZMM5236B	7.5V		
ZMM5237B	8.2V		
ZMM5238B	8.7V		
ZMM5239B	9.1V		
ZMM5240B	10V		
ZMM5241B	11V		
ZMM5242B	12V		
ZMM5243B	13V		
ZMM5244B	14V		
ZMM5245B	15V		
ZMM5246B	16V		
ZMM5247B	17V		
ZMM5248B	18V		
ZMM5249B	19V		
ZMM5250B	20V		
ZMM5251B	22V		
ZMM5252B	24V		
ZMM5253B	25V		
ZMM5254B	27V		
ZMM5255B	28V		
ZMM5256B	30V		
ZMM5257B	33V		
ZMM5258B	36V		
ZMM5259B	39V		
ZMM5260B	43V		
ZMM5261B	47V		
ZMM5262B	51V		
ZMM5263B	56V		
ZMM5264B	60V		
ZMM5265B	62V		
ZMM5266B	68V		

Website Data Reference
DSC023



ZENER DIODE

SINGLE

Surface Mount

Part Number	Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
SMAZ5V1N	5.1V	1W	 SMA 4.3 x 2.6 x 2.2mm
SMAZ5V6N	5.6V		
SMAZ6V2N	6.2V		
SMAZ6V8N	6.8V		
SMAZ7V5N	7.5V		
SMAZ8V2N	8.2V		
SMAZ9V1N	9.1V		
SMAZ10N	10V		
SMAZ12N	12V		
SMAZ15N	15V		
SMAZ16N	16V		
SMAZ18N	18V		
SMAZ20N	20V		
SMAZ22N	22V		
SMAZ24N	24V		
SMAZ27N	27V		
SMAZ30N	30V		
SMAZ33N	33V		
SMAZ36N	36V		
SMAZ39N	39V		

Website Data Reference
DSC024



TVS Diodes

Anglia has a broad portfolio of transient voltage suppressors (TVS) diodes and arrays that provide :

- Best-in-class performance
- Unidirectional and Bidirectional polarities
- Low incremental surge resistance
- Reverse breakdown voltages ranging from 3V to 570V
- Peak power ratings from 12W to 30kW
- High power density options to increase robustness or allow smaller packages

A comprehensive range of **TVS products** are available from our global leading partners in circuit protection.

Website Data Reference
DSC025



ZENER DIODE

SINGLE

Through Hole

Part Number		Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
BZX55C2V4	1N5221B	2.4V	500mW	 DO-35 Glass 3.9 x 2.0 x 0.6mm
-	1N5222B	2.5V		
BZX55C2V7	1N5223B	2.7V		
-	1N5224B	2.8V		
BZX55C3V0	1N5225B	3V		
BZX55C3V3	1N5226B	3.3V		
BZX55C3V6	1N5227B	3.6V		
BZX55C3V9	1N5228B	3.9V		
BZX55C4V3	1N5229B	4.3V		
BZX55C4V7	1N5230B	4.7V		
BZX55C5V1	1N5231B	5.1V		
BZX55C5V6	1N5232B	5.6V		
-	1N5233B	6V		
BZX55C6V2	1N5234B	6.2V		
BZX55C6V8	1N5235B	6.8V		
BZX55C7V5	1N5236B	7.5V		
BZX55C8V2	1N5237B	8.2V		
-	1N5238B	8.7V		
BZX55C9V1	1N5239B	9.1V		
BZX55C10	1N5240B	10V		
BZX55C11	1N5241B	11V		
BZX55C12	1N5242B	12V		
BZX55C13	1N5243B	13V		
-	1N5244B	14V		
BZX55C15	1N5245B	15V		
BZX55C16	1N5246B	16V		
-	1N5247B	17V		
BZX55C18	1N5248B	18V		
-	1N5249B	19V		
BZX55C20	1N5250B	20V		
BZX55C22	1N5251B	22V		
BZX55C24	1N5252B	24V		
-	1N5253B	25V		
BZX55C27	1N5254B	27V		
-	1N5255B	28V		
BZX55C30	1N5256B	30V		
BZX55C33	1N5257B	33V		
BZX55C36	1N5258B	36V		
BZX55C39	1N5259B	39V		
BZX55C43	1N5260B	43V		
BZX55C47	1N5261B	47V		
BZX55C51	1N5262B	51V		
BZX55C56	1N5263B	56V		
-	1N5264B	60V		
BZX55C62	1N5265B	62V		
BZX55C68	1N5266B	68V		
BZX55C75	-	75V		

Website Data Reference
DSC026

ZENER DIODE

SINGLE

Through Hole

Part Number	Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
1N4728A	3.3V	1W	 DO-41 Glass 4.0 x 2.35 x 0.7mm
1N4729A	3.6V		
1N4730A	3.9V		
1N4731A	4.3V		
1N4732A	4.7V		
1N4733A	5.1V		
1N4734A	5.6V		
1N4735A	6.2V		
1N4736A	6.8V		
1N4737A	7.5V		
1N4738A	8.2V		
1N4739A	9.1V		
1N4740A	10V		
1N4741A	11V		
1N4742A	12V		
1N4743A	13V		
1N4744A	15V		
1N4745A	16V		
1N4746A	18V		
1N4747A	20V		
1N4748A	22V		
1N4749A	24V		
1N4750A	27V		
1N4751A	30V		
1N4752A	33V		
1N4753A	36V		
1N4754A	39V		
1N4755A	43V		
1N4756A	47V		
1N4757A	51V		
1N4758A	56V		
1N4759A	62V		
1N4760A	68V		
1N4761A	75V		
1N4762A	82V		
1N4763A	91V		
1N4764A	100V		

Website Data Reference
DSC027



ZENER DIODE

ARRAY

Surface Mount

Part Number		Zener Voltage (Vz) - Nom	Power Dissipation Max	Device Package
CA	CC			
AZ23C2V4	DZ23C2V4	2.4V	300mW	 SOT-23 2.9 x 1.3 x 1.0mm
AZ23C2V7	DZ23C2V7	2.7V		
AZ23C3V0	DZ23C3V0	3V		
AZ23C3V3	DZ23C3V3	3.3V		
AZ23C3V6	-	3.6V		
AZ23C3V9	DZ23C3V9	3.9V		
AZ23C4V3	DZ23C4V3	4.3V		
AZ23C4V7	DZ23C4V7	4.7V		
AZ23C5V1	DZ23C5V1	5.1V		
AZ23C5V6	DZ23C5V6	5.6V		
AZ23C6V2	DZ23C6V2	6.2V		
AZ23C6V8	DZ23C6V8	6.8V		
AZ23C7V5	DZ23C7V5	7.5V		
AZ23C8V2	DZ23C8V2	8.2V		
-	DZ23C8V7	8.7V		
AZ23C9V1	DZ23C9V1	9.1V		
AZ23C10	DZ23C10	10V		
AZ23C11	DZ23C11	11V		
AZ23C12	DZ23C12	12V		
AZ23C13	DZ23C13	13V		
AZ23C14	DZ23C14	14V		
AZ23C15	DZ23C15	15V		
AZ23C16	DZ23C16	16V		
AZ23C17	DZ23C17	17V		
AZ23C18	DZ23C18	18V		
AZ23C20	DZ23C20	20V		
AZ23C22	DZ23C22	22V		
AZ23C24	DZ23C24	24V		
AZ23C27	DZ23C27	27V		
AZ23C28	-	28V		
AZ23C30	DZ23C30	30V		
AZ23C33	DZ23C33	33V		
AZ23C36	DZ23C36	36V		
AZ23C39	DZ23C39	39V		
AZ23C43	DZ23C43	43V		
AZ23C47	DZ23C47	47V		
AZ23C51	DZ23C51	51V		

Website Data Reference
DSC028



FAST RECOVERY RECTIFIER DIODE

FAST

Surface Mount

Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
RS1A	50V	1A	 SMA 4.3 x 2.6 x 2.2mm
RS1B	100V		
RS1D	200V		
RS1G	400V		
RS1J	600V		
RS1K	800V		
RS1M	1000V		
RS2AA	50V	1.5A	
RS2BA	100V		
RS2DA	200V		
RS2GA	400V		
RS2JA	600V		
RS2KA	800V		
RS2MA	1000V		
RS1AB	50V	1A	 SMB 4.3 x 3.6 x 2.3mm
RS1BB	100V		
RS1DB	200V		
RS1GB	400V		
RS1JB	600V		
RS1KB	800V		
RS1MB	1000V		
RS2A	50V	1.5A	
RS2B	100V		
RS2D	200V		
RS2G	400V		
RS2J	600V		
RS2K	800V		
RS2M	1000V		
RS3AB	50V	3A	
RS3BB	100V		
RS3DB	200V		
RS3GB	400V		
RS3JB	600V		
RS3KB	800V		
RS3MB	1000V		
RS3A	50V	3A	 SMC 6.8 x 5.9 x 2.3mm
RS3B	100V		
RS3D	200V		
RS3G	400V		
RS3J	600V		
RS3K	800V		
RS3M	1000V		

Website Data Reference
DSC029



FAST RECOVERY RECTIFIER DIODE

FAST

Through Hole

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
1N4933	1N4933G	50V	1A	 DO-41 4.7 x 2.35 x 0.8mm
1N4934	1N4934G	100V		
1N4935	1N4935G	200V		
1N4936	1N4936G	400V		
1N4937	1N4937G	600V		
PR1001	PR1001G	50V	1A	
PR1002	PR1002G	100V		
PR1003	PR1003G	200V		
PR1004	PR1004G	400V		
PR1005	PR1005G	600V		
PR1006	PR1006G	800V		
PR1007	PR1007G	1000V		
SF10AG	–	50V	1A	
SF10BG	–	100V		
SF10CG	–	150V		
SF10DG	–	200V		
SF10FG	–	300V		
SF10GG	–	400V		
SF10HG	–	500V		
SF10JG	–	600V		
SF11	–	50V	1A	
SF12	–	100V		
SF13	–	150V		
SF14	–	200V		
SF16	–	400V		
SF18	–	600V		
PR1501S	PR1501GS	50V	1.5A	
PR1502S	PR1502GS	100V		
PR1503S	PR1503GS	200V		
PR1504S	PR1504GS	400V		
PR1505S	PR1505GS	600V		
PR1506S	PR1506GS	800V		
PR1507S	PR1507GS	1000V		

Website Data Reference

DSC030

i

FAST RECOVERY RECTIFIER DIODE

FAST

Through Hole

Part Number		Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
PR1501	PR1501G	50V	1.5A	 DO-15 6.6 x 3.1 x 0.8mm
PR1502	PR1502G	100V		
PR1503	PR1503G	200V		
PR1504	PR1504G	400V		
PR1505	PR1505G	600V		
PR1506	PR1506G	800V		
PR1507	PR1507G	1000V		
PR2001	PR2001G	50V	2A	
PR2002	PR2002G	100V		
PR2003	PR2003G	200V		
PR2004	PR2004G	400V		
PR2005	PR2005G	600V		
PR2006	PR2006G	800V		
PR2007	PR2007G	1000V		
SF21	–	50V	2A	 DO-201AD 8.4 x 5.0 x 1.25mm
SF22	–	100V		
SF23	–	150V		
SF24	–	200V		
SF26	–	400V		
SF28	–	600V		
FR301	–	50V		
FR302	–	100V	3A	
FR303	–	200V		
FR304	–	400V		
FR305	–	600V		
FR306	–	800V		
FR307	–	1000V		
PR3001	PR3001G	50V		
PR3002	PR3002G	100V		
PR3003	PR3003G	200V		
PR3004	PR3004G	400V		
PR3005	PR3005G	600V		
PR3006	PR3006G	800V		
PR3007	PR3007G	1000V		
SF31	–	50V	3A	
SF32	–	100V		
SF33	–	150V		
SF34	–	200V		
SF36	–	400V		
SF38	–	600V		
PR6001	–	50V		6A
PR6002	–	100V		
PR6003	–	200V		
PR6004	–	400V		
PR6005	–	600V		
PR6006	–	800V		
PR6007	–	1000V		

Website Data Reference
DSC031 

FAST RECOVERY RECTIFIER DIODE

SUPER FAST

Surface Mount

Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package		
ES1A	50V	1A	 SMA 4.3 x 2.6 x 2.2mm		
ES1B	100V				
ES1C	150V				
ES1D	200V				
ES1E	300V				
ES1G	400V				
ES1H	500V				
ES1J	600V				
ES2AA	50V	2A	 SMB 4.3 x 3.6 x 2.3mm		
ES2BA	100V				
ES2CA	150V				
ES2DA	200V				
ES2GA	400V				
ES2JA	600V				
MURS120	200V	1A		 SMB 4.3 x 3.6 x 2.3mm	
MURS140	400V				
MURS160	600V				
ES2A	50V	2A	 SMB 4.3 x 3.6 x 2.3mm		
ES2B	100V				
ES2C	150V				
ES2D	200V				
ES2E	300V				
ES2G	400V				
ES2H	500V				
ES2J	600V				
ES3AB	50V	3A			 SMC 6.8 x 5.9 x 2.3mm
ES3BB	100V				
ES3CB	150V				
ES3DB	200V				
ES3GB	400V				
ES3JB	600V				
ES3A	50V	3A		 SMC 6.8 x 5.9 x 2.3mm	
ES3B	100V				
ES3C	150V				
ES3D	200V				
ES3G	400V				
ES3H	500V				
ES3J	600V				

Website Data Reference

DSC032

i

Through Hole

Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
MUR120	200V	1A	 DO-41 4.7 x 2.35 x 0.8mm
MUR140	400V		
MUR160	600V		
MUR460	600V	4A	 DO-201AD 8.4 x 5.0 x 1.25mm
MUR4100	1000V		

Website Data Reference

DSC033

i

FAST RECOVERY RECTIFIER DIODE

FAST RECOVERY RECTIFIER DIODE

ULTRA FAST

Surface Mount

Part Number	Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
US1A	50V	1A	 SMA 4.3 x 2.6 x 2.2mm
US1B	100V		
US1D	200V		
US1G	400V		
US1J	600V		
US1K	800V		
US1M	1000V		
US2A	50V	2A	 SMB 4.3 x 3.6 x 2.3mm
US2B	100V		
US2D	200V		
US2G	400V		
US2J	600V		
US2K	800V		
US2M	1000V		

Website Data Reference
DSC034 

Through Hole

Part Number			Voltage - DC Reverse (V _R) (Max)	Current - Average Rectified (I _o)	Device Package
UF1001	UG1001	UF4001	50V	1A	 DO-41 4.7 x 2.35 x 0.8mm
UF1002	UG1002	UF4002	100V		
UF1003	UG1003	UF4003	200V		
UF1004	UG1004	UF4004	400V		
UF1005	UG1005	UF4005	600V		
UF1006	UG1006	UF4006	800V		
UF1007	UG1007	UF4007	1000V		
UF2001	UG2001	–	50V	2A	 DO-15 6.6 x 3.1 x 0.8mm
UF2002	UG2002	–	100V		
UF2003	UG2003	–	200V		
UF2004	UG2004	–	400V		
UF2005	UG2005	–	600V		
UF2006	UG2006	–	800V		
UF2007	UG2007	–	1000V		
UF3001	UG3001	–	50V	3A	 DO-201AD 8.4 x 5.0 x 1.25mm
UF3002	UG3002	–	100V		
UF3003	UG3003	–	200V		
UF3004	UG3004	–	400V		
UF3005	UG3005	–	600V		
UF3006	UG3006	–	800V		
UF3007	UG3007	–	1000V		

Website Data Reference
DSC035 

BRIDGE RECTIFIER

SINGLE PHASE

Surface Mount

Part Number			Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
DF005S	DI100S	–	50V	1A	 DF-S 8.5 x 6.5 x 2.5mm
DF01S	DI101S	–	100V		
DF02S	DI102S	–	200V		
DF04S	DI104S	–	400V		
DF06S	DI106S	DB105S	600V		
DF08S	DI108S	DB106S	800V		
DF10S	DI1010S	DB107S	1000V		
DF15005S	DI150S	–	50V	1.5A	
DF1501S	DI151S	–	100V		
DF1502S	DI152S	–	200V		
DF1504S	DI154S	–	400V		
DF1506S	DI156S	DB155S	600V		
DF1508S	DI158S	DB156S	800V		
DF1510S	DI1510S	DB157S	1000V		
DF1512S	–	–	1200V	2A	
DB205S	–	–	600V		
DB206S	–	–	800V		
DB207S	–	–	1000V	2A	 ABS 5.2 x 4.5 x 1.5mm
ABS210	–	–	1000V		

Website Data Reference
DSC036 

IGBT's

Insulated Gate Bipolar Transistors (IGBT) perform the function of a MOSFET and Bipolar Junction Transistor (BJT) device integrated into a single discrete component or module form.

Combining the MOSFET input characteristics with BJT output characteristics, IGBT's take advantage of the best attributes of both technologies to achieve high efficiency, fast switching, high current and low saturation voltages.

IGBT's are popular in many high power applications including Inverters, Motor control, UPS, SMPS, HVAC, Welding equipment and other power circuits requiring high switching frequencies.

- Low on-state voltage drop
- Superior on-state current density
- Good trade-off between conduction and switch-off energy losses
- Low driving power and simple drive circuit
- Wide switching frequency range
- Range of discrete and module packages available

Visit the link to browse Anglia's range of IGBT's in stock from a range of global leading suppliers.

Website Data Reference
DSC043 



BRIDGE RECTIFIER

SINGLE PHASE

Through Hole

Part Number		Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
DF005M	DI100	50V	1A	 DIP-4 8.5 x 6.5 x 3.4mm
DF01M	DI101	100V		
DF02M	DI102	200V		
DF04M	DI104	400V		
DF06M	DI106	600V		
DF08M	DI108	800V		
DF10M	DI1010	1000V		
DF15005M	DI150	50V	1.5A	
DF1501M	DI151	100V		
DF1502M	DI152	200V		
DF1504M	DI154	400V		
DF1506M	DI156	600V		
DF1508M	DI158	800V		
DF1510M	DI1510	1000V		

Website Data Reference
DSC037

Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
KBP005G	50V	1.5A	 KBP 14.8 x 10.6 x 3.7mm
KBP01G	100V		
KBP02G	200V		
KBP04G	400V		
KBP06G	600V		
KBP08G	800V		
KBP10G	1000V		
KBP2005G	50V	2A	
KBP201G	100V		
KBP202G	200V		
KBP204G	400V		
KBP206G	600V		
KBP208G	800V		
KBP210G	1000V		
KBP4005G	50V	4A	
KBP401G	100V		
KBP402G	200V		
KBP404G	400V		
KBJ406G	600V		
KBJ408G	800V		
KBJ410G	1000V		
KBU6A	50V	6A	 KBU 23.7 x 19.3 x 7.1mm
KBU6B	100V		
KBU6D	200V		
KBU6G	400V		
KBU6J	600V		
KBU6K	800V		
KBU6M	1000V		
KBU8A	50V	8A	
KBU8B	100V		
KBU8D	200V		
KBU8G	400V		
KBU8J	600V		
KBU8K	800V		
KBU8M	1000V		

Website Data Reference
DSC038

BRIDGE RECTIFIER

SINGLE PHASE

Through Hole

Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
W005	50V	1.5A	 WOM 8.1 x 5.6 x 5.1mm
W01	100V		
W02	200V		
W04	400V		
W06	600V		
W08	800V		
W10	1000V		
2W005G	50V	2A	 WOG 9.8 x 5.6 x 5.1mm
2W01G	100V		
2W02G	200V		
2W04G	400V		
2W06G	600V		
2W08G	800V		
2W10G	1000V		

Website Data Reference

DSC039

i

Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBP201	100V	2A	 GBP 14.7 x 10.7 x 3.3mm
GBP202	200V		
GBP204	400V		
GBP206	600V		
GBP208	800V		
GBP210	1000V		
GBP301	100V	3A	
GBP302	200V		
GBP304	400V		
GBP306	600V		
GBP308	800V		
GBP310	1000V		

Website Data Reference

DSC040

i

Part Number		Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBL201	GBL2B	100V	2A	 GBL 20.8 x 11.3 x 3.7mm
GBL202	GBL2D	200V		
GBL204	GBL2G	400V		
GBL206	GBL2J	600V		
GBL208	GBL2K	800V		
GBL210	GBL2M	1000V		
GBL401	GBL4B	100V	4A	
GBL402	GBL4D	200V		
GBL404	GBL4G	400V		
GBL406	GBL4J	600V		
GBL408	GBL4K	800V		
GBL410	GBL4M	1000V		

Website Data Reference

DSC041

i

BRIDGE RECTIFIER

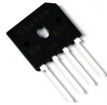
SINGLE PHASE

Through Hole			
Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBJ4A	50V	4A	 GBJ 25.3 x 14.7 x 4.8mm
GBJ4B	100V		
GBJ4D	200V		
GBJ4G	400V		
GBJ4J	600V		
GBJ4K	800V		
GBJ4M	1000V		
GBJ6A	50V	6A	
GBJ6B	100V		
GBJ6D	200V		
GBJ6G	400V		
GBJ6J	600V		
GBJ6K	800V		
GBJ6M	1000V		
GBJ8A	50V	8A	
GBJ8B	100V		
GBJ8D	200V		
GBJ8G	400V		
GBJ8J	600V		
GBJ8K	800V		
GBJ8M	1000V		
GBJ10A	50V	10A	
GBJ10B	100V		
GBJ10D	200V		
GBJ10G	400V		
GBJ10J	600V		
GBJ10K	800V		
GBJ10M	1000V		
			Website Data Reference DSC042

BRIDGE RECTIFIER

SINGLE PHASE

Through Hole

Part Number		Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBU4005	GBU4A	50V	4A	 GBU 22.3 x 18.8 x 3.6mm
GBU401	GBU4B	100V		
GBU402	GBU4D	200V		
GBU404	GBU4G	400V		
GBU406	GBU4J	600V		
GBU408	GBU4K	800V		
GBU410	GBU4M	1000V		
GBU6005	GBU6A	50V	6A	
GBU601	GBU6B	100V		
GBU602	GBU6D	200V		
GBU604	GBU6G	400V		
GBU606	GBU6J	600V		
GBU608	GBU6K	800V		
GBU610	GBU6M	1000V		
GBU8005	GBU8A	50V	8A	
GBU801	GBU8B	100V		
GBU802	GBU8D	200V		
GBU804	GBU8G	400V		
GBU806	GBU8J	600V		
GBU808	GBU8K	800V		
GBU810	GBU8M	1000V		
GBU10005	GBU10A	50V	10A	
GBU1001	GBU10B	100V		
GBU1002	GBU10D	200V		
GBU1004	GBU10G	400V		
GBU1006	GBU10J	600V		
GBU1008	GBU10K	800V		
GBU1010	GBU10M	1000V		
GBU15005	GBU15A	50V	15A	
GBU1501	GBU15B	100V		
GBU1502	GBU15D	200V		
GBU1504	GBU15G	400V		
GBU1506	GBU15J	600V		
GBU1508	GBU15K	800V		
GBU1510	GBU15M	1000V		
GBU25A	-	50V	25A	
GBU25B	-	100V		
GBU25D	-	200V		
GBU25G	-	400V		
GBU25J	-	600V		
GBU25K	-	800V		
GBU25M	-	1000V		

Website Data Reference
DSC044

BRIDGE RECTIFIER

SINGLE PHASE

Through Hole

Part Number		Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBJ6005	–	50V	6A	 GBJ 30.3 x 20.3 x 4.8mm
GBJ601	–	100V		
GBJ602	–	200V		
GBJ604	–	400V		
GBJ606	–	600V		
GBJ608	–	800V		
GBJ610	–	1000V		
GBJ8005	–	50V	8A	
GBJ801	–	100V		
GBJ802	–	200V		
GBJ804	–	400V		
GBJ806	–	600V		
GBJ808	–	800V		
GBJ810	–	1000V		
GBJ10005	–	50V	10A	
GBJ1001	–	100V		
GBJ1002	–	200V		
GBJ1004	–	400V		
GBJ1006	–	600V		
GBJ1008	–	800V		
GBJ1010	–	1000V		
GBJ15005	GBJ15A	50V	15A	
GBJ1501	GBJ15B	100V		
GBJ1502	GBJ15D	200V		
GBJ1504	GBJ15G	400V		
GBJ1506	GBJ15J	600V		
GBJ1508	GBJ15K	800V		
GBJ1510	GBJ15M	1000V		
GBJ20005	–	50V	20A	
GBJ2001	–	100V		
GBJ2002	–	200V		
GBJ2004	–	400V		
GBJ2006	–	600V		
GBJ2008	–	800V		
GBJ2010	–	1000V		
GBJ25005	GBJ25A	50V	25A	
GBJ2501	GBJ25B	100V		
GBJ2502	GBJ25D	200V		
GBJ2504	GBJ25G	400V		
GBJ2506	GBJ25J	600V		
GBJ2508	GBJ25K	800V		
GBJ2510	GBJ25M	1000V		
GBJ35005	–	50V	35A	
GBJ3501	–	100V		
GBJ3502	–	200V		
GBJ3504	–	400V		
GBJ3506	–	600V		
GBJ3508	–	800V		
GBJ3510	–	1000V		

Website Data Reference
DSC045



BRIDGE RECTIFIER

SINGLE PHASE

Through Hole

Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBPC15005W	50V	15A	 GBPC-W 28.8 x 28.8 x 8mm
GBPC1501W	100V		
GBPC1502W	200V		
GBPC1504W	400V		
GBPC1506W	600V		
GBPC1508W	800V		
GBPC1510W	1000V		
GBPC25005W	50V	25A	
GBPC2501W	100V		
GBPC2502W	200V		
GBPC2504W	400V		
GBPC2506W	600V		
GBPC2508W	800V		
GBPC2510W	1000V		
GBPC35005W	50V	35A	
GBPC3501W	100V		
GBPC3502W	200V		
GBPC3504W	400V		
GBPC3506W	600V		
GBPC3508W	800V		
GBPC3510W	1000V		
KBPC15005GW	50V	15A	 KBPC-GW 28.8 x 28.8 x 8.4mm
KBPC1501GW	100V		
KBPC1502GW	200V		
KBPC1504GW	400V		
KBPC1506GW	600V		
KBPC1508GW	800V		
KBPC1510GW	1000V		
KBPC25005GW	50V	25A	
KBPC2501GW	100V		
KBPC2502GW	200V		
KBPC2504GW	400V		
KBPC2506GW	600V		
KBPC2508GW	800V		
KBPC2510GW	1000V		
KBPC35005GW	50V	35A	
KBPC3501GW	100V		
KBPC3502GW	200V		
KBPC3504GW	400V		
KBPC3506GW	600V		
KBPC3508GW	800V		
KBPC3510GW	1000V		

Website Data Reference
DSC046

BRIDGE RECTIFIER

SINGLE PHASE

Chassis Mount			
Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
KBPC15005G	50V	15A	 KBPC 28.8 x 28.8 x 8.4mm
KBPC1501G	100V		
KBPC1502G	200V		
KBPC1504G	400V		
KBPC1506G	600V		
KBPC1508G	800V		
KBPC1510G	1000V		
KBPC25005G	50V	25A	
KBPC2501G	100V		
KBPC2502G	200V		
KBPC2504G	400V		
KBPC2506G	600V		
KBPC2508G	800V		
KBPC2510G	1000V		
KBPC35005G	50V	35A	
KBPC3501G	100V		
KBPC3502G	200V		
KBPC3504G	400V		
KBPC3506G	600V		
KBPC3508G	800V		
KBPC3510G	1000V		
KBPC50005	50V	50A	
KBPC5001	100V		
KBPC5002	200V		
KBPC5004	400V		
KBPC5006	600V		
KBPC5008	800V		
KBPC5010	1000V		

Website Data Reference

DSC047

BRIDGE RECTIFIER

SINGLE PHASE

Chassis Mount

Part Number	Voltage Peak Reverse - Max	Current - Average Rectified (Io)	Device Package
GBPC15005	50V	15A	 GBPC 28.8 x 28.8 x 8mm
GBPC1501	100V		
GBPC1502	200V		
GBPC1504	400V		
GBPC1506	600V		
GBPC1508	800V		
GBPC1510	1000V		
GBPC25005	50V	25A	
GBPC2501	100V		
GBPC2502	200V		
GBPC2504	400V		
GBPC2506	600V		
GBPC2508	800V		
GBPC2510	1000V		
GBPC35005	50V	35A	
GBPC3501	100V		
GBPC3502	200V		
GBPC3504	400V		
GBPC3506	600V		
GBPC3508	800V		
GBPC3510	1000V		
GBPC50005	50V	50A	
GBPC5001	100V		
GBPC5002	200V		
GBPC5004	400V		
GBPC5006	600V		
GBPC5008	800V		
GBPC5010	1000V		

Website Data Reference
DSC048

The Power of SiC Technology

Silicon Carbide (SiC) based components offer superior efficiency, low weight, small size and improved thermal characteristics for high performance applications. Anglia stocks a range of SiC Diodes and MOSFETs from some of the world's leading suppliers enabling designers to improve efficiency and reliability whilst lowering cost and operating temperatures.

- High efficiency
- Reduced size and cost
- Lower EMC
- High robustness ensuring high reliability

Wide portfolio of products available from Anglia's world class partners, visit the link to view the range.

Website Data Reference
DSC013



SMALL SIGNAL TRANSISTOR

BJT - NPN- SINGLE

Surface Mount			
Part Number	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
MMBT3904T	40V	200mA	 SOT-523 1.6 x 0.8 x 0.7mm
MMBT2222AT		600mA	
BC848AW	30V	100mA	 SOT-323 2.0 x 1.25 x 0.95mm
BC848BW			
BC848CW			
BC847AW			
BC847BW			
BC847CW			
BC846AW			
BC846BW			
MMST3904	40V	200mA	
MMST5551	160V		
MMSTA42	300V		
BC817-16W	45V	500mA	
BC817-25W			
BC817-40W			
MMST2222A	40V	600mA	
MMST4401			
BC848A	30V	100mA	 SOT-23 2.9 x 1.3 x 1.0mm
BC848B			
BC848C			
BC849B			
BC849C			
BCW60C	32V		
BC847A	45V		
BC847B			
BC847C			
BCW72			
BC846A	65V		
BC846B			
MMBT3904	40V	200mA	
MMBTA44	400V		
BC817-25	45V	500mA	
BC817-40			
BCX19			
MMBTA05			
MMBTA06	60V		
MMBTA06	80V		
MMBTA42	300V		
MMBT2222A	40V	600mA	
MMBT4401			
MMBT5551	160V	800mA	
BC817-16	45V		
BCX53-16	45V	1A	 SOT-89 4.5 x 2.5 x 1.5mm
BCX55-16	60V		
BCX56-16	80V		

Website Data Reference
DSC049 

SMALL SIGNAL TRANSISTOR

BJT - NPN - SINGLE

Through Hole			
Part Number	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
BC548A	30V	100mA	 TO-92 4.5 x 4.6 x 3.55mm
BC548B			
BC548C			
BC549A			
BC549B			
BC549C			
BC547A	45V		
BC547B			
BC547C			
BC550A			
BC550B			
BC550C			
BC546A	65V		
BC546B			
BC546C			
BC337-16	45V	800mA	
BC337-25			
BC337-40			
TIP31C	100V	3A	 TO-220 10 x 15.11 x 4.45mm
TIP41C		6A	
Website Data Reference DSC050			

MOSFETs

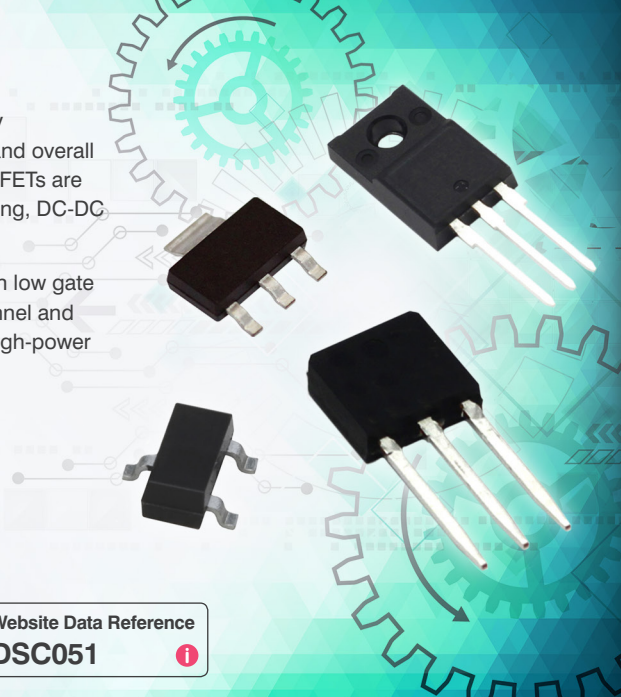
MOSFETs, (Metal Oxide Semiconductor Field Effect Transistors) offer many advantages to the designer, particularly in terms of high input impedance and overall performance for power conversion and switching circuit applications. MOSFETs are popular in power applications including switch mode power supplies, lighting, DC-DC converters, motor control and automotive applications.

Anglia's MOSFET portfolio offers a broad range of breakdown voltages with low gate charge and low on-resistance options. The range includes discrete N-Channel and P-Channel MOSFET devices and arrays in a wide range of miniature and high-power packages.

- Wide Portfolio of MOSFETs
- N and P channel devices
- High and low voltage technologies available
- Improved gate charge and lower on-state resistance options
- More than 30 package options available
- Intrinsic fast body diode options available

Visit the link to view the wide range of MOSFETs available from Anglia's world class partners.

Website Data Reference
DSC051



SMALL SIGNAL TRANSISTOR

BJT - PNP - SINGLE

Surface Mount

Part Number	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
MMBT3906T	40V	200mA	 SOT-523 1.6 x 0.8 x 0.7mm
2SA2018	12V	500mA	
MMBT2907AT	60V	600mA	
BC858AW	30V	100mA	 SOT-323 2.0 x 1.25 x 0.95mm
BC858BW			
BC858CW			
BC859BW			
BC859CW			
BC857AW	45V		
BC857BW			
BC857CW			
BC856AW	65V		
BC856BW			
MMSTA92	300V		
MMST3906	40V	200mA	
MMST5401	150V		
BC807-16W	45V	500mA	
BC807-25W			
BC807-40W			
MMSTA56	80V	600mA	
MMST4403	40V		
MMST2907A	60V		
BC858A	30V	100mA	 SOT-23 2.9 x 1.3 x 1.0mm
BC858B			
BC858C			
BC859B			
BC859C			
BC857A	45V		
BC857B			
BC857C			
BC856A	65V		
BC856B			
BCW61C	32V	200mA	
MMBT3906	40V		
MMBTA94	400V		
BCW30	32V	500mA	
BC807-16	45V		
BC807-25			
BC807-40			
MMBTA55	60V		
MMBTA56	80V		
MMBTA92	300V		
MMBT4403	40V	600mA	
MMBT5401	150V		
MMBT2907A	60V	800mA	

Website Data Reference
DSC052 

SMALL SIGNAL TRANSISTOR

BJT - PNP - SINGLE

Through Hole

Part Number	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
BC558A	30V	100mA	 TO-92 4.5 x 4.6 x 3.55mm
BC558B			
BC559A			
BC559B			
BC557A	45V		
BC557B			
BC557C			
BC556A	65V		
BC556B			
BC327-16	45V	800mA	
BC327-25			
BC327-40			
TIP32C	100V	3A	 TO-220 10 x 15.11 x 4.45mm
TIP42C		6A	

Website Data Reference

DSC053

SMALL SIGNAL TRANSISTOR

Silicon-Controlled Rectifiers (SCR)

Silicon-controlled rectifiers (SCR), also known as TRIAC's and Thyristors, are symmetrical blocking unidirectional and bidirectional switching diodes.

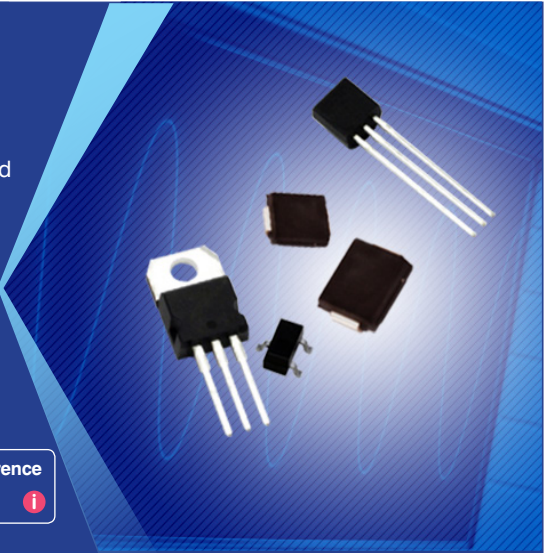
Anglia has a wide range of SCR, Thyristors, TRIAC's along with the associated trigger devices DIAC's & SIDAC's, they can be used to control the flow of electrical current within a circuit for a multitude of applications.

The portfolio encompasses:

- High Voltage and Ampere ratings
- Unidirectional & Bidirectional devices
- High voltage capability
- High surge capability
- Wide selection of thru-hole and surface mount package options

A wide range of SCRs are available from our global leading partners, follow the link to view the portfolio.

Website Data Reference
DSC009



SMALL SIGNAL TRANSISTOR

BJT - NPN - DIGITAL (Pre-Biased)

Surface Mount

Part Number	Resistor - Base (R1)	Resistor - Emitter Base (R2)	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
DTC114EE	10 kΩ	10 kΩ	50V	100mA	 SOT-523 1.6 x 0.8mm x 0.7mm
DTC114YE	10 kΩ	47 kΩ			
DTC113ZE	1 kΩ	10 kΩ			
DTC114TE	10 kΩ	–			
DTC114WE	10 kΩ	4.7 kΩ			
DTC123JE	2.2 kΩ	47 kΩ			
DTC123YE	2.2 kΩ	10 kΩ			
DTC143TE	4.7 kΩ	–			
DTC143XE	4.7 kΩ	10 kΩ			
DTC143ZE	10 kΩ	47 kΩ			
DTC144EE	47 kΩ	47 kΩ			
DTC144TE	47 kΩ	–			
DTC144EUA	47 kΩ	47 kΩ	50V	100mA	 SOT-323 2.0 x 1.25 x 0.95mm
DTC114YUA	10 kΩ	47 kΩ			
DTC113ZUA	1 kΩ	10 kΩ			
DTC114EUA	10 kΩ	10 kΩ			
DTC114TUA	10 kΩ	–			
DTC114WUA	10 kΩ	4.7 kΩ			
DTC123JUA	2.2 kΩ	47 kΩ			
DTC123YUA	2.2 kΩ	10 kΩ			
DTC143TUA	4.7 kΩ	–			
DTC143XUA	4.7 kΩ	10 kΩ			
DTC143ZUA	4.7 kΩ	47 kΩ			
DTC144TUA	47 kΩ	–			
DTC114ECA	10 kΩ	10 kΩ	50V	100mA	 SOT-23 2.9 x 1.3 x 1.0mm
DTC113ZCA	1 kΩ	10 kΩ			
DTC114TCA	10 kΩ	–			
DTC114WCA	10 kΩ	4.7 kΩ			
DTC114YCA	10 kΩ	47 kΩ			
DTC123JCA	2.2 kΩ	47 kΩ			
DTC123YCA	2.2 kΩ	10 kΩ			
DTC143TCA	4.7 kΩ	–			
DTC143XCA	4.7 kΩ	10 kΩ			
DTC143ZCA	4.7 kΩ	47 kΩ			
DTC144ECA	47 kΩ	47 kΩ			
DTC144TCA	47 kΩ	–			

Website Data Reference
DSC054 

SMALL SIGNAL TRANSISTOR

BJT - PNP - DIGITAL (Pre-Biased)

Surface Mount

Part Number	Resistor - Base (R1)	Resistor - Emitter Base (R2)	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
DTA124EE	22 kΩ	22 kΩ	50V	100mA	 SOT-523 1.6 x 0.8mm x 0.7mm
DTA144EE	47 kΩ	47 kΩ			
DTA114EE	10 kΩ	10 kΩ			
DTA114TE	10 kΩ	–			
DTA114YE	10 kΩ	47 kΩ			
DTA123JE	2.2 kΩ	47 kΩ			
DTA123YE	2.2 kΩ	10 kΩ			
DTA143EE	4.7 kΩ	4.7 kΩ			
DTA143TE	4.7 kΩ	–			
DTA143XE	4.7 kΩ	10 kΩ			
DTA143ZE	4.7 kΩ	47 kΩ			
DTA144TE	47 kΩ	–			
DTA124EUA	22 kΩ	22 kΩ	50V	100mA	 SOT-323 2.0 x 1.25 x 0.95mm
DTA144EUA	47 kΩ	47 kΩ			
DTA114EUA	10 kΩ	10 kΩ			
DTA114TUA	10 kΩ	–			
DTA114YUA	10 kΩ	47 kΩ			
DTA123JUA	2.2 kΩ	47 kΩ			
DTA123YUA	2.2 kΩ	10 kΩ			
DTA143EUA	4.7 kΩ	4.7 kΩ			
DTA143TUA	4.7 kΩ	–			
DTA143XUA	4.7 kΩ	10 kΩ			
DTA143ZUA	4.7 kΩ	47 kΩ			
DTA144TUA	47 kΩ	–			
DTA114ECA	10 kΩ	10 kΩ	50V	100mA	 SOT-23 2.9 x 1.3 x 1.0mm
DTA123JCA	2.2 kΩ	47 kΩ			
DTA124ECA	22 kΩ	22 kΩ			
DTA114TCA	10 kΩ	–			
DTA114YCA	10 kΩ	47 kΩ			
DTA123YCA	2.2 kΩ	10 kΩ			
DTA143ECA	4.7 kΩ	4.7 kΩ			
DTA143TCA	4.7 kΩ	–			
DTA143XCA	4.7 kΩ	10 kΩ			
DTA143ZCA	4.7 kΩ	47 kΩ			
DTA144ECA	47 kΩ	47 kΩ			
DTA144TCA	47 kΩ	–			

Website Data Reference
DSC055 

SMALL SIGNAL TRANSISTOR

NPN & PNP / DARLINGTON & ARRAYS

Surface Mount

Part Number	Type	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package	
MMDT3904V	NPN - Array	40V	200mA	 SOT-563 1.6 x 1.2 x 0.6mm	
MMDT3904	NPN - Array	40V	200mA	 SOT-363 2.0 x 1.25 x 0.95mm	
MMDT5551		160V			
MMDT4401		40V	600mA		
MMDT2222A					
MMDT3906V	PNP - Array	40V	200mA	 SOT-563 1.6 x 1.2 x 0.6mm	
MMDT3906	PNP - Array	40V	200mA	 SOT-363 2.0 x 1.25 x 0.95mm	
MMDT5401		150V			
MMDT4403		40V	600mA		
MMDT2907A		60V			
MMDT3946	NPN/PNP - Array	40V	200mA	 SOT-363 2.0 x 1.25 x 0.95mm	
MMDT5451		160V-150V			
MMDT4413		40V	600mA		
MMBTA28	NPN - Darlington	80V	800mA	 SOT-23 2.9 x 1.3 x 1.0mm	
MMBTA13		30V	1.2A		
MMBTA14					
MMBTA63	PNP - Darlington	30V	1.2A	 SOT-23 2.9 x 1.3 x 1.0mm	
MMBTA64					

Website Data Reference
DSC056 ⓘ

Through Hole

Part Number	Type	Voltage - Collector Emitter Breakdown (Max)	Current - Collector (Ic) (Max)	Device Package
TIP112	NPN - Darlington	100V	2A	 TO-220 10 x 15.11 x 4.45mm
TIP120	NPN - Darlington	60V	5A	
TIP121	NPN - Darlington	80V		
TIP122	NPN - Darlington	100V		
TIP125	PNP - Darlington	60V	5A	

Website Data Reference
DSC057 ⓘ

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1N4448	DSC002	2	B350	DSC012	11	BAV3004W	DSC001	2	BC857AW	DSC052	42	DTC113ZE	DSC054	44			
1N4448W	DSC001	2	B350A	DSC011	10	BAV70	DSC003	3	BC857B	DSC052	42	DTC113ZUA	DSC054	44			
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AS 9120 (EN 9120:2016) / ISO 9001:2015

IECQ-CECC ISO 14001:2015

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