

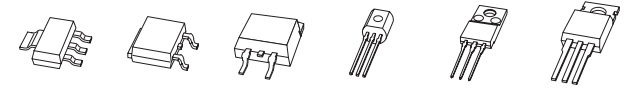
Thyristors

4-Quadrant Triacs



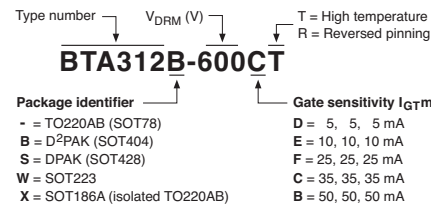
$I_{T(RMS)}$ [A]	V_{DRM} [V]	$I_{GT(max)}$ [mA]	SOT223	SOT428 DPAK	SOT404 D2PAK	SOT54 TO92	SOT82	SOT186A [isolated TO220AB]	SOT78 TO220AB
0.6	400	5/5/5/7						MAC97A6	
0.6	600	5/5/5/7						MAC97A8	
0.6	400/600	5/5/5/7						BT1306-D	
0.8	400/600	5/5/5/7	BT1308W-D					BT1308-D	
1	600/800	3/3/3/5	Z0103MN/NN					Z0103MA/NA	
1	600/800	5/5/5/7	Z0107MN/NN					Z0107MA/NA	
1	600/800	10/10/10/10	Z0109MN/NN					Z0109MA/NA	
1	600/800	3/3/3/7						BT131	
1	600	3/3/3/7	BT131W						
1	600/800	5/5/5/7						BT131-D	
1	600/800							BT131-E	
1	600	5/5/5/10						BT132-D	
1	600/800		BT134W						
1	600	D/E	BT134W						
4	600	D/G						BT134	
4	600/800	E						BT134	
4	600	D		BT136S				BT136X	BT136
4	600/800	E		BT136S	BT136B			BT136X	BT136
4	600	F						BT136X	
4	600/800	F		BT136S					
6	600/800							BT236X	
6	600/800	G						BT236X	
6	600	F						BT236X	
8	600/800	E							BT137
8	600	D/G							BT137
8	600/800	E/F			BT137B				
8	800	G			BT137B				
8	600/800	E						BT137X	
8	600	D/F/G						BT137X	
8	600/800	E/F/G		BT137S					
8	600/800	E/F/G		BT137S					
12	600/800	E/G							BT138
12	600	F/G			BT138B				
12	600/800	E			BT138B				
12	600/800	E/F						BT138X	
16	600/800	E			BT139B				BT139
16	800	G							BT139
16	600/800	F/G			BT139B				
16	600	E/F/G						BT139X	
16	800							BT139X	
20	600							MAC223A8X	
25	600/800								BTA140
25	400								MAC223A6

3-Quadrant Triacs



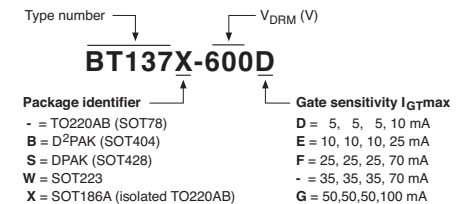
$I_{T(RMS)}$ [A]	V_{DRM} [V]	$I_{GT(max)}$ [mA]	SOT223	SOT428 DPAK	SOT404 D2PAK	SOT54 TO92	SOT186A [isolated TO220AB]	SOT78 TO220AB
1	600/800	B/E/ER					BTA201	
1	600/800	E	BTA201W					
1	600	B/C/D/E/F	BTA204W					
1	800	C/E	BTA204W					
4	600	B/C/D/E/F		BTA204S			BTA204X	BTA204
4	800	B/C/E		BTA204S			BTA204X	BTA204
8	600	B/D/E/F		BTA208S			BTA208X	BTA208
8	800	B/E		BTA208S			BTA208X	BTA208
8	1000	C			BTA208B		BTA208X	
12	600	B/D/E/F			BTA212X		BTA212X	BTA212
12	800	B/E			BTA212B		BTA212X	BTA212
12	600/800	B/C/E			BTA312B		BTA312X	BTA312
12	600	D			BTA312B		BTA312X	BTA312
12	600	CT			BTA312B		BTA312X	BTA312
12	800	ET			BTA312B			BTA312
16	600	B/D/E/F			BTA216B		BTA216X	BTA216
16	800	B			BTA216B		BTA216X	BTA216
16	600	BT						BTA216
16	600/800	B/C/E			BTA316B		BTA316X	BTA316
16	600	D						BTA316
16	600	BT						BTA316
25	600/800	B			BTA225B			BTA225
25	600	BT						BTA225

3-quadrant triacs part numbering



MSD849

4-quadrant triacs part numbering



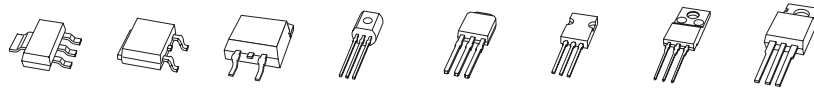
BT131, BT132D use TO92 package
BT134 uses SOT82 package

MSD850

Types in **bold red** represent new products
Types in **bold red italic underlined** represent products in development
Package drawings are not to scale

Thyristors

Silicon Controlled Rectifiers



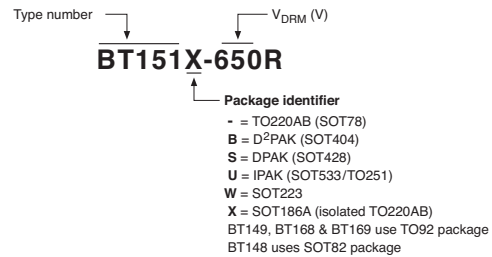
$I_{T(RMS)}$ [A]	V_{DRM} [V]	$I_{GT(max)}$ [mA]	SOT223	SOT428 DPAK	SOT404 D ² PAK	SOT54 TO92	SOT533 IPAK	SOT82	SOT186A [isolated TO220AB]	SOT78 TO220AB
0.8	400	0.012				EC103D1				
0.8	200/400/600	0.2				BT169				
0.8	200/400/600	0.2				BT149				
0.8	500/600	0.2 (min 0.02)	BT168W			BT168				
0.8	200	0.2	MCR08BT1							
1	600	0.2	BT148W							
4	400/500/600	0.2						BT148		
4	600	0.2		BT150S						
4	500	0.2								BT150
8	500/600/800	0.2							BT258X	BT258
8	800	0.2		BT258S						
8	600	5		BT300S						
12	500/650	5		BT151-L						
12	500/650/800	15		BT151S				BT151X	BT151	
12	650	15		BTH151S						
12	500/650/800	15					BT151U-C	BT151X-C	BT151-C	
20	400/600/800	32			BT152B				BT152X	BT152
25	800	35								BT145

Diacs



I_{FRM} [A]	$V_{[BO]}$ [V]	$I_{BO(max)}$ [uA]	SOD27
2	28 - 36	50	BR100/03

Thyristor part numbering



MSD848

Types in **bold red** represent new products
 Package drawings are not to scale



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