FOUR-QUADRANT TRIACS

Types in **bold blue** represent new products
Types in ***bold red italic*** represent products in development
T: high $T_j$max 150°C * High I_{TSM} ** Enhanced immunity to false triggering

I_{GT} key:

B	50mA (70mA in 3+)
D	5mA (10mA in3+)
E	10mA (25mA in 3+)
F	25mA (70mA in 3+)
-	35mA (70mA in 3+)
G	50mA (100mA in 3+)
G0	50mA (100mA in 3+), 10mA min

4Q Triacs part numbering

Type number V_{DRM}

BT137X-600D

Package identifier:
=SOT78(TO220AB)
B =SOT404(D²PAK)
S =SOT428(DPAK)
W =SOT223
X =SOT186A(isolated TO22AB)
Y =SOT78D(internally insulated TO220AB)

Gate sensitivity I_{GT}max:
B =50mA (70mA in 3+)
D =5mA (10mA in3+)
E =10mA (25mA in 3+)
F =25mA (70mA in 3+)
- =35mA (70mA in 3+)
G =50mA (100mA in 3+)
G0 =50mA (100mA in 3+), 10mA min

In the spotlight

4Q Triacs Z010*0 series**

Planar passivated for voltage ruggedness and reliability

Improved dynamic performance over Z010***series

Best false trigger immunity for sensitive 4Q triacs

$I_{T(RMS)}$ (A)	V_{DRM} (V)	I_{GT} (max) (mA)	SOT223 SC-73	SOT223-2L	TO-252 SOT428 DPAK	TO-263 SOT404 D²PAK	TO-92 SOT54	SOT82	TO-220 SOT78	TO-220 Ins SOT78D	TO-220F SOT186A SC-67	TO-3P Ins SOT1292
0.6	400	5/5/5/7					MAC97A6					
	600	5/5/5/7					MAC97A8					
1	600	3/3/3/7	BT131W									
	600 / 800	3/3/3/7					BT131					
	600 / 800	5/5/5/7					BT131-D					
	800	D/E/ET	**BT231W**	***BT231V***			**BT231**					
	600 / 800	10/10/10/10					BT131-E					
	600 / 800	3/3/3/5	Z0103MN/NN Z0103MN0/NN0**				Z0103MA/NA Z0103MA0/NA0**					
	600 / 800	5/5/5/7	Z0107MN/NN Z0107MN0/NN0**				Z0107MA/NA Z0107MA0/NA0**					
	600 / 800	10/10/10/10	Z0109MN/NN Z0109MN0/NN0**				Z0109MA/NA Z0109MA0/NA0**					
	600	5/5/5/10					BT132-D*					
	600	D/E/-	BT134W*									
	800	-	BT134W*									
2	800	D/ET	**BT232W**	***BT232V***			**BT232**					
	800	E	**BT134W**									
4	600	D/E/-/G						BT134				
	800	E/-						BT134				
	800	ET	**BT234W**	***BT234V***								
	600 / 800	D/E							BT234*		BT234X*	
	600	D/-			BT136S				BT136		BT136X	
	600	F			BT136S						BT136X	
	600 / 800	E			BT136S	BT136B			BT136		BT136X	
	800	D/F			BT136S							
	800	-			BT136S						BT136X	
6	600	F/-/G									BT236X	
	800	-/G									BT236X	
8	600	D/-/G			BT137S				BT137		BT137X	
	600	E			BT137S	BT137B			BT137		BT137X	
	600	F			BT137S	BT137B					BT137X	
	600 / 800	G0/G0T							BT137			
	800	E			BT137S				BT137		BT137X	
	800	F			BT137S	BT137B						
	800	-				BT137B			BT137		BT137X	
	800	G			BT137S	BT137B						
12	600	D							BT138		BT138X	
	600	-/G				BT138B			BT138		BT138X	
	600	F				BT138B					BT138X	
	600	G0/G0T							BT138			
	600 / 800	E				BT138B			BT138	BT138Y	BT138X	
	800	F									BT138X	
	800	-							BT138		BT138X	
	800	G							BT138			
16	600	E/-				BT139B			BT139		BT139X	
	600	F/G				BT139B					BT139X	
	600	G0/G0T							BT139			
	600 / 800	B								BTA16		
	800	F				BT139B						
	800	-				BT139B			BT139		BT139X	
	800	E/G				BT139B			BT139			
20	600	50/50/50/75									MAC223A8X	
25	400	50/50/50/75							MAC223A6			
	600	G0/G0T							BTA140			
	600 / 800	-							BTA140			
40	600 / 800	B										BTA41
45	800	B										BTA45