THREE-QUADRANT Hi-Com TRIACS

Types in **bold blue** represent new products
Types in ***bold red italic*** represent products in development
R: Reverse pinning T: high $T_j$max 150°C N: enhanced Noise immunity * High I_{TSM}

I_{GT} key:

A	75mA	D	5mA
B	50mA	E	10mA
B0	10 - 50mA	F	25mA
C	35mA	F0	5 - 20mA
C0	5 - 35mA		

3Q Triacs part numbering

Type number — V_{DRM}

BTA312B-600CT

- T: High $T_{j(max)}$ 150°C
- R: ACT pinning
- N: Enhanced dynamic performance

Gate Sensitivity I_{GT} max:

B	=50mA	D	=5mA
B0	=10-50mA	E	=10mA
C	=35mA	F	=25mA
C0	=5-35mA	F0	=5-20mA

Package identifier:

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

In the spotlight

3Q Hi-Com Triacs BTA425, BTA330, BTA440, BTA445

- Planar passivated for voltage ruggedness and reliability
- High junction operating temperature(150 °C)
- Less sensitive gate for high noise immunity
- High commutation, high dV_D/dt for maximumm immunity to false triggering

$I_{T(RMS)}$ (A)	V_{DRM} (V)	I_{GT} (max) (mA)	SOT223 SC-73	SOT223-2L	TO-252 SOT428 DPAK	TO-263 SOT404 D²PAK	TO-92 SOT54	TO-262 SOT226A I²PAK	TO-220 SOT78	TO-220 Ins SOT78D	TO-220F SOT186A SC-67	TO-3P Ins SOT1292	TO-3PF	TO-247 SOT429
0.8	600 / 800	D	BTA2008W											
	600 / 800	D/E					BTA2008							
	1000	D/DN					BTA2008							
1	600 / 800	B/E/ER					BTA201							
	600 / 800	E	BTA201W											
	600	B/C/D/E/F	BTA204W*											
	800	C/E	BTA204W*											
	800	D/ET	**BTA301W**	***BTA301V***			**BTA301**							
	1000	D/ET		***BTA301V***			**BTA301**							
2	600 / 800	D/E									BTA202X			
	800	ET	**BTA202W**											
	600 / 800	ET	**BTA302W**	***BTA302V***			**BTA302**							
	1000	CT/ET	**BTA202W**				**BTA202**				**BTA202X**			
	1000	D/ET		***BTA302V***			**BTA302**							
3	800	CT					BTA203							
	800	ET					**BTA203**							
4	600	B/C/D/E/F			BTA204S				BTA204		BTA204X			
	800	B/C/E			BTA204S				BTA204		BTA204X			
	800	ET	**BTA304W**	***BTA304V***										
	800	CT			***BTA404S***									
	1000	C			BTA204S						BTA204X			
6	800	CT			***BTA206S***				BTA206		BTA206X			
	800	ET							BTA206		BTA206X			
8	600	D			BTA208S				BTA208		BTA208X			
	600	BT			**BTA208S**									
	600 / 800	B/E/F			BTA208S				BTA208		BTA208X			
	800	CT									BTA208X			
	800	B0/C0									BTA308X			
	800	C0T			***BTA308S***	**BTA308B**			**BTA308**	BTA308Y				
	800	B0T							**BTA308**					
	800	ET			BTA308S	**BTA308B**			BTA308	**BTA308Y**	BTA308X			
	800	F0									BTA308X			
	1000	C0/B									BTA208X			
	1000	C				BTA208B					BTA208X			
	1000	C0T									BTA408X*			
10	600 / 800	C/D/E							BTA310		BTA310X			
	600 / 800	BT/CT/ET							BTA410*	BTA410Y*	BTA410X*			
12	600	CT				**BTA312B**		BTA312G	BTA312					
	600	D				BTA312B			BTA312		BTA312X			
	600 / 800	B/C/E				BTA312B			BTA312		BTA312X			
	600 / 800	C								BTA312Y				
	600 / 800	ET/C/B								BTA412Y*				
	800	BT							**BTA312**					
	800	CT				BTA312B			BTA312		BTA312X			
	800	ET				BTA312B			BTA312	***BTA312Y***				
16	600	B0/BT				BTA316B			BTA316					
	600	CT				BTA316B								
	600 / 800	B/C/E				BTA316B			BTA316		BTA316X			
	600	D/ET							BTA316					
	800	ET							BTA316	***BTA316Y***				
	600 / 800	B/C								BTA416Y*				
	800	B0							BTA316		BTA316X			
	800	CT			**BTA316S**				BTA316		BTA316X			
	800	BT/CT				**BTA416B***			**BTA416***	BTA316Y	BTA416X*			
20	600	BT				**BTA420B**								
	800	BT/CT							BTA420*	BTA420Y*	BTA420X*			
25	600	BT							BTA225 **BTA325**					
	600 / 800	B				BTA225B			BTA225					
	800	BT				BTA225B **BTA325B**			**BTA325**		**BTA325X** BTA425X*		**BTA425J**	
	800	BT/CT								BTA425Y*		**BTA425Z***		
30	800	BT/CT				BTA330B			**BTA330**	BTA330Y	**BTA330X**			
40	800	BT										BTA440Z	**BTA440J**	
	1200	AT										**BTA440Z**	**BTA440J**	**BTA440W**
45	800	BT										BTA445Z		
50	800	BT										**BTA450Z**		
80	800	BT										***BTA580Z***		