

PHASE CONTROL THYRISTOR (Stud Version) | 普通可控硅(螺旋式)

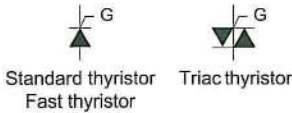
Features

- High current rating
- Excellent dynamic characteristics
- Superior surge capabilities
- Standard package
- Metric Device version available

Typical Applications

- Phase control applications in converters
- Lighting circuits
- Battery charges
- Regulated power supplies and temperature and speed control circuit
- Can be supplied to meet stringent military, aerospace and other high-reliability requirements
- Power supplier & motor controls

Polarity

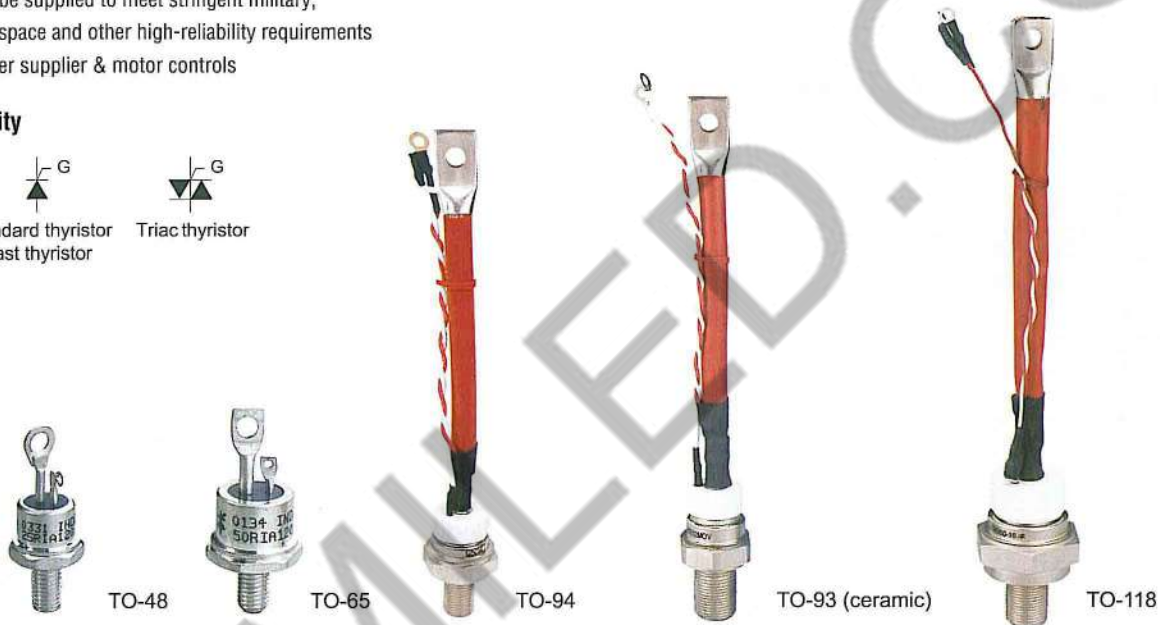


Ordering Information Table

Device Code	S	50	RIA	120	M
	①	②	③	④	⑤
①	-None=Standard thyristor S=Triac thyristor K=Fast thyristor				
②	-Current code= $I_{T(AV)}$				
③	-Essential part number				
④	-Voltage code: code x 10= V_{RRM}				
⑤	-None=standard inch device M=metric device				

Notice: If you need metric size, pls contact with ZENLI.

Device Code	ST	300	S	16	M	V
	①	②	③	④	⑤	⑥
①	-ST=Standard thyristor SST=Triac thyristor KST=Fast thyristor					
②	-Current code= $I_{T(AV)}$					
③	-S=Stud version device					
④	-Voltage code: code x 100= V_{RRM}					
⑤	-None=standard inch device M=metric device					
⑥	-None=ceramic seal V=glass-metal seal					



Type	$I_{T(AV)}$		V_{TM}/I_{TM}		$I_{T(RMS)}$	V_{RRM}	I_{RRM}	I_{GT}	V_{GT}	I_H	I_L	d_v/d_t	d_c/d_t	T_j	R_{jc}	M^2	Wt	Outline
	$T_{HS}55^\circ C$	A	V	A														
10RIA	10	1.75	30	16	200-1200	≤ 10	10~100	≤ 2.5	≤ 150	≤ 200	≥ 500	≥ 100			≤ 1.8	≤ 2.0	0.016	TO-48
16RIA	16	1.75	48	25	200-1200	≤ 10	10~100	≤ 2.5	≤ 150	≤ 200	≥ 500	≥ 100			≤ 1.5	≤ 2.0	0.016	
25RIA	25	1.70	75	40	200-1200	≤ 10	10~100	≤ 2.5	≤ 150	≤ 200	≥ 500	≥ 100			≤ 1.0	≤ 2.0	0.016	
40RIA	40	1.95	120	64	200-1200	≤ 12	50~200	≤ 2.5	≤ 150	≤ 200	≥ 500	≥ 100			≤ 1.0	≤ 2.0	0.022	TO-65
50RIA	50	1.90	150	80	200-1200	≤ 12	50~200	≤ 2.5	≤ 150	≤ 200	≥ 500	≥ 100			≤ 0.8	≤ 2.0	0.022	
ST80S	80	1.6	240	128	200-1600	≤ 15	50~200	≤ 2.5	≤ 200	≤ 400	≥ 800	≥ 100	-40 $^\circ C$ ~ +125 $^\circ C$		≤ 0.6	≤ 12	0.160	TO-94
ST100S	100	1.6	300	160	200-1600	≤ 15	50~200	≤ 2.5	≤ 200	≤ 400	≥ 800	≥ 100			≤ 0.6	≤ 12	0.160	
ST130S	130	1.55	390	208	200-1600	≤ 15	50~200	≤ 2.5	≤ 200	≤ 400	≥ 800	≥ 100		≤ 0.55	≤ 12	0.160		
ST150S	150	1.6	450	240	200-1600	≤ 20	50~200	≤ 2.5	≤ 200	≤ 400	≥ 800	≥ 100			≤ 0.5	≤ 12	0.160	TO-93
ST180S	200	1.75	600	320	200-1800	≤ 20	50~200	≤ 2.5	≤ 400	≤ 600	≥ 800	≥ 100		≤ 0.4	≤ 25	0.280		
ST230S	250	1.75	750	400	200-1800	≤ 20	50~200	≤ 2.5	≤ 400	≤ 600	≥ 800	≥ 100			≤ 0.2	≤ 25	0.280	TO-93
ST280S	280	1.70	840	450	200-1800	≤ 25	50~200	≤ 2.5	≤ 400	≤ 600	≥ 800	≥ 100			≤ 0.15	≤ 25	0.280	
ST300S	300	1.5	900	480	200-2400	≤ 40	50~200	≤ 2.5	≤ 600	≤ 1000	≥ 800	≥ 100			≤ 0.10	≤ 30	0.580	TO-118
ST330S	330	1.55	990	530	200-2400	≤ 40	50~200	≤ 2.5	≤ 600	≤ 1000	≥ 800	≥ 100			≤ 0.07	≤ 30	0.580	
ST350S	350	1.6	1050	560	200-2400	≤ 40	50~200	≤ 2.5	≤ 600	≤ 1000	≥ 800	≥ 100			≤ 0.06	≤ 30	0.580	