

Тиристоры симметричные TRIACS



Features:

Wide line of designs

- Hermetic metal cases with glass and ceramic insulators, threaded stud and capsule designs
- Single and double polar drive

Typical applications:

- Illuminating engineering products (regulation of light sources in industry and home applications)
- Electrothermal equipment (temperature regulation)
- Motors (regulation of rotation speed and of the reversing gear) – textile and sewing industry, passenger and freight lifts, washing machines

Type	V _{DORM} V _{RRM}	I _{DRM} I _{RRM}	I _{TRMS} (T _c , °C)	I _{TSM} 20ms	i ² t	V _{TM} /I _{TM}	V _{T(TO)}	r _T	(di _T /dt) _{crit}	(du _D /dt) _{com}	V _{GT}	I _{GT}	T _{jmax}	R _{th(j-c)}	F	M _d	w	Fig.	Heatsinks	Q	
	V	mA	A	kA	A ² s 10 ³	V/A	V	mΩ	A/μs	V/μs	V	mA	°C	°C/W	kN	Nm	kg				
Small-sized series																					
TC212-10	100-1200	3.0	10(85)	0.07	49	185/14	1.20	46	50	2.2-25	3.0	100	125	2.50	-	0.9	0.006	ST1	O111	1,3,4	
TC212-16	100-1200	3.0	16(85)	0.10	100	1.85/22	1.20	29	50	2.5-25	3.0	100	125	1.55	-	-1.1	0.006	ST1	O111	1,3,4	
TC222-20	100-1200	3.5	20(85)	0.12	144	1.85/28	1.10	27	50	2.5-50	3.5	150	125	1.30	-	1.5	0.011	ST2	O121. O221	1,3,4	
TC222-25	100-1200	3.5	25(85)	0.20	400	1.80/35	1.10	21	50	2.5-50	3.5	150	125	0.90	-	-1.7	0.011	ST2	O121. O221	1,3,4	
TC232-40	100-1200	5.0	40(85)	0.25	625	1.85/56	1.00	15	63	2.5-50	4.0	200	125	0.65	-	5.0	0.023	ST3	O131.O231. O331	1,3,4	
TC232-50	100-1200	5.0	50(85)	0.45	2025	1.80/70	1.00	12	63	2.5-50	4.0	200	125	0.52	-	-6.2	0.023	ST3	O131.O231. O331	1,3,4	
TC242-63	100-1200	7.0	63(85)	0.48	2300	1.80/89	0.90	10	63	2.5-50	5.0	200	125	0.44	-	9.0	0.050	ST4	O141.O241. O541	1,3,4	
TC242-80	100-1200	7.0	80(85)	0.58	3360	1.80/113	0.90	8	63	2.5-50	5.0	200	125	0.34	-	-11	0.050	ST4	O141.O241. O541	1,3,4	
Stud design																					
TC151-100	300-1300	10	100(85)	1.0	10.0	1.85/140	1.50	3.50	6.3	6.3-100	3	300	125	0.22	-	10	0.110	ST5	O151	1,2	
TC151-125	300-1300	10	125(85)	1.2	14.4	1.74/180	1.15	3.50	6.3	6.3-100	3	300	125	0.22	-	-20	0.110	ST5	O151	1,2	
TC151-160	300-1300	10	160(85)	1.4	19.6	1.55/225	1.10	2.00	6.3	6.3-100	3	300	125	0.19	-	-	0.110	ST5	O151	1,3,4	
TC251-100	300-1400	10	100(85)	1.0	10.0	1.85/140	1.50	3.50	25	6.3-100	3	300	125	0.22	-	10	0.110	ST5	O151	1,3,4	
TC251-125	300-1400	10	125(85)	1.2	14.4	1.74/180	1.15	3.50	25	6.3-100	3	300	125	0.22	-	-20	0.110	ST5	O151	1,3,4	
TC251-160	300-1300	10	160(85)	1.4	19.6	1.55/225	1.10	2.00	25	6.3-100	3	300	125	0.19	-	-	0.110	ST5	O151	1,3,4	
TC161-160	200-1300	15	160(85)	1.8	32.4	1.75/225	1.20	2.60	6.3	6.3-100	4	300	125	0.14	-	20	0.175	ST6	O171.O271, O371,OM101	1,2	
TC161-200	200-1300	15	200(85)	2.0	40.0	1.60/280	1.00	2.25	6.3	6.3-100	4	300	125	0.14	-	-30	0.175	ST6	O171.O271, O371,OM101	1,2	
TC261-160	300-1400	15	160(85)	2.0	32.4	1.70/225	1.15	2.74	25	6.3-100	4	300	125	0.14	-	20	0.175	ST6	O171.O271, O371,OM101	1,3,4	
TC261-200	300-1400	15	200(85)	2.0	40.0	1.60/280	1.00	2.25	25	6.3-100	4	300	125	0.14	-	-30	0.175	ST6	O171.O271, O371,OM101	1,3,4	
TC171-250	200-1300	25	250(85)	3.0	90.0	1.70/350	1.00	2.00	6.3	6.3-100	4	300	125	0.10	-	25	0.325	ST7	O181.O281. OM105	1,2	
TC171-320	200-1300	25	320(85)	3.3	99.0	1.50/450	0.86	1.50	6.3	6.3-100	4	300	125	0.10	-	-35	0.325	ST7	O181.O281. OM105	1,2	
TC271-250	300-1400	25	250(85)	3.0	90.0	1.65/350	1.00	1.98	25	6.3-100	4	300	125	0.10	-	25	0.325	ST7	O181.O281.	1,3,	

TC271-320	300-1400	25	320(85)	3.3	99.0	1.50/450	0.86	1.50	25	6.3-100	4	300	125	0.10		-3			OM105	4
Capsule design																				
TC133-500 [□]	300-1400	25	500(85)	3.0	90.0	2.50/700	1.20	1.80	25	6.3-100	3	300	125	0.040						
TC133-630 [□]	300-1400	25	630(85)	3.3	109.0	2.20/890	1.10	1.30	25	6.3-100	3	300	125	0.037	10	-	0.100	PT31	O143,O243, O343, OM103, OM104	1,3,
TC233-500 [□]	300-1300	25	500(85)	3.0	90.0	2.50/700	1.20	1.80	6.3	6.3-100	3	300	125	0.040						4
TC233-630 [□]	300-1300	25	630(85)	3.3	109.0	2.20/890	1.10	1.30	6.3	6.3-100	3	300	125	0.037						1,2
TC143-800 [□]	300-1400	25	800(85)	4.5	250.0	1.95/1120	0.92	0.90	25	6.3-100	3	300	125	0.030	15	-	0.160	PT41	O143,O243, OM103,OM104	1,3,
TC143-1000 [□]	300-1200	35	1000(85)	5.0	302.5	1.75/1400	0.90	0.61	25	6.3-100	3	300	125	0.028						4

□ New devices