

STMICROELECTRONICS Alternistors, SCRs, and Trigger Diodes

Thyristors
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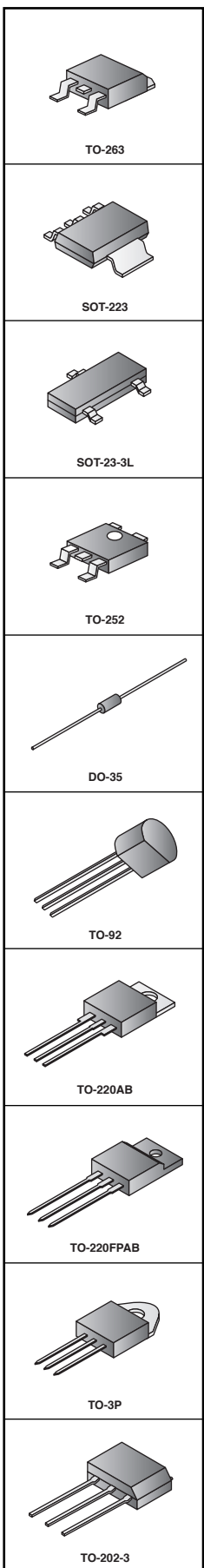
NON-SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	IT _{RMS} Max. (A)	V _{DRM} Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	Pg (AV) (W)	tgt Typ. (µSec)	Price Each		
											1	100	500
Surface Mount													
511-TN1215-600G	TN1215-600G	TO-263	N	12.0	600	15	0.005	1.50	1.0	2.0	1.14	.97	.86
511-TN1625-600G	TN1625-600G	TO-263	N	16.0	600	25	0.005	1.60	1.0	2.0	1.40	1.19	1.05
Thru Hole													
511-TYN804	TYN804RG	TO-220AB	N	4.0	800	15	0.01	1.80	1.0	2.0	.84	.74	.68
511-TYN606	TYN606RG	TO-220AB	N	6.0	600	15	0.01	1.60	1.0	2.0	.62	.54	.48
511-TYN1006	TYN1006RG	TO-220AB	N	6.0	1000	15	0.01	1.60	1.0	2.0	.74	.65	.57
511-TYN058	TYN058RG	TO-220AB	N	8.0	50	15	0.01	1.80	1.0	2.0	1.57	1.07	.87
511-TYN208	TYN208RG	TO-220AB	N	8.0	200	15	0.01	1.80	1.0	2.0	.84	.74	.68
511-TYN408	TYN408RG	TO-220AB	N	8.0	400	15	0.01	1.80	1.0	2.0	.80	.68	.60
511-TXN408G	TXN408GRG	TO-220AB	I	8.0	400	25	0.01	1.80	1.0	2.0	.90	.80	.74
511-TYN608	TYN608RG	TO-220AB	N	8.0	600	15	0.01	1.80	1.0	2.0	.88	.75	.66
511-TYN1008	TYN1008RG	TO-220AB	N	8.0	1000	25	0.01	1.80	1.0	2.0	.92	.80	.71
511-TYN410	TYN410RG	TO-220AB	N	10.0	400	15	0.01	1.60	1.0	2.0	.84	.71	.63
511-TYN610	TYN610RG	TO-220AB	N	10.0	600	15	0.01	1.60	1.0	2.0	1.31	.90	.73
511-TYN810	TYN810RG	TO-220AB	N	10.0	800	15	0.01	1.60	1.0	2.0	.82	.71	.63
511-TYN412	TYN412RG	TO-220AB	N	12.0	400	15	0.01	1.60	1.0	2.0	.84	.71	.63
511-TYN612	TYN612RG	TO-220AB	N	12.0	600	15	0.01	1.60	1.0	2.0	.94	.80	.65
511-TYN612M	TYN612MRG	TO-220AB	N	12.0	600	5	0.005	1.60	1.0	-----	1.01	.88	.78
511-TYN612MFP	TYN612MFP	TO-220FPAB	I	12.0	600	5	0.005	1.60	1.0	-----	.65	.57	.53
511-TYN812	TYN812TRG	TO-220AB	N	12.0	800	15	0.010	1.60	1.0	2.0	1.20	1.02	.90
511-TXN1012	TXN1012RG	TO-220AB	I	12.0	1000	15	0.01	1.60	1.0	2.0	1.61	1.43	1.31
511-TYN416	TYN416RG	TO-220AB	N	16.0	400	25	0.01	1.60	1.0	2.0	1.08	.92	.81
511-TYN616	TYN616RG	TO-220AB	N	16.0	600	25	0.01	1.60	1.0	2.0	1.26	1.04	.82
511-TYN816	TYN816RG	TO-220AB	N	16.0	800	25	0.01	1.60	1.0	2.0	.98	.85	.75
511-TYN825	TYN825RG	TO-220AB	N	25.0	800	40	0.01	1.60	1.0	2.0	2.08	1.92	1.80
511-BTW68-200	BTW68-200RG	TO-3P	I	30.0	200	50	0.02	2.10	1.0	2.0	5.27	4.59	4.05
511-BTW68-800	BTW68-800RG	TO-3P	I	30.0	800	50	0.02	2.10	1.0	2.0	5.27	4.59	4.05
511-BTW68-1000	BTW68-1000RG	TO-3P	I	30.0	1000	50	0.02	2.10	1.0	2.0	5.66	4.93	4.35
511-BTW68-1200	BTW68-1200RG	TO-3P	I	30.0	1200	50	0.02	2.10	1.0	2.0	6.00	5.10	4.50
511-TYN640	TYN640RG	TO-220AB	N	40.0	600	35	0.005	1.60	1.0	2.0	1.66	1.45	1.28
511-BTW69-200	BTW69-200RG	TO-3P	I	50.0	200	80	0.020	1.90	1.0	2.0	4.29	3.74	3.30
511-BTW69-600	BTW69-600RG	TO-3P	I	50.0	600	80	0.02	1.90	1.0	2.0	4.60	3.49	2.99
511-BTW69-800	BTW69-800RG	TO-3P	I	50.0	800	80	0.02	1.90	1.0	2.0	4.70	4.10	3.95
511-BTW69-1000	BTW69-1000RG	TO-3P	I	50.0	1000	80	0.02	1.90	1.0	2.0	6.60	5.61	4.95



SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	IT _{RMS} Max. (A)	V _{DRM} Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	Pg (AV) (W)	tgt Typ. (µSec)	Price Each		
											1	100	500
Surface Mount													
511-P0102BL	P0102BL 5AA4	SOT-23-3L	N	0.25	200	0.2	0.001	1.70	0.02	-----	.40	.34	.30
511-P0102DN	P0102DN 5AA4	SOT-223	N	0.8	400	0.2	0.001	1.95	0.1	0.1	.37	.29	.26
511-X0202MN	X0202MN 5BA4	SOT-223	N	1.4	600	0.2	0.005	1.50	0.2	0.5	.46	.36	.32
511-TS420-600B	TS420-600B	TO-252	N	4.0	600	0.2	5.000	1.60	0.2	0.5	.74	.63	.56
511-TS820-600B	TS820-600B	TO-252	N	8.0	600	0.2	0.005	1.60	0.2	0.5	.88	.75	.66
511-TN815-600B	TN815-600B	TO-252	N	8.0	600	15	2.00	1.60	1.0	2.0	.92	.78	.69
Thru Hole													
511-P0130AA	P0130AA 2AL3	TO-92	N	0.8	100	0.8	0.001	1.95	0.1	---	.20	.16	.13
511-P0102BA	P0102BA 1AA3	TO-92	N	0.8	200	0.2	0.001	1.93	0.1	0.5	.22	.19	.17
511-P0118DA	P0118DA 1AA3	TO-92	N	0.8	400	0.01	0.001	1.93	0.1	0.5	.18	.14	.13
511-P0111DA	P0111DA 1AA3	TO-92	N	0.8	400	0.025	0.001	1.93	0.1	0.5	.26	.22	.20
511-XL0840	XL0840	TO-92	N	0.8	400	0.2	0.001	1.95	0.1	---	.11	.10	.09
511-P0118MA2AL3	P0118MA 2AL3	TO-92	N	0.8	600	0.01	0.001	1.93	0.1	0.5	.21	.16	.14
511-P0102DA	P0102DA 1AA3	TO-92	N	0.8	400	0.2	0.001	1.93	0.1	0.5	.30	.26	.23
511-P0118MA5AL3	P0118MA 5AL3	TO-92	N	0.8	600	0.005	0.001	1.93	0.1	0.5	.20	.16	.13
511-P0111MA2AL3	P0111MA 2AL3	TO-92	N	0.8	600	0.025	0.001	1.93	0.1	0.5	.14	.12	.11
511-P0102MA1AA3	P0102MA 1AA3	TO-92	N	0.8	600	0.2	0.001	1.93	0.1	0.5	.16	.14	.12
511-X00602MA2AL2	X00602MA 2AL2	TO-92	N	0.8	600	0.2	0.001	1.35	0.1	-----	.18	.15	.14
511-X0205MA	X0205MA 1BA2	TO-92	N	1.25	600	0.05	0.005	1.45	0.2	0.5	.58	.49	.44
511-X0202NA	X0202NA 1BA2	TO-92	N	1.25	800	0.2	0.005	1.45	0.2	---	.45	.39	.35
511-X0202MA	X0202MA 1BA2	TO-92	N	1.3	600	0.2	0.005	1.45	0.2	0.5	.30	.23	.21
511-X0403DF	X0403DF 1AA2	TO-202-3	N	4.0	400	0.2	0.005	1.80	0.2	2.0	.59	.51	.45
511-X0402MF	X0402MF 1AA2	TO-202-3	N	4.0	600	0.2	0.005	1.80	0.2	2.0	.62	.53	.47
511-X0402MF0AA2	X0402MF 0AA2	TO-202-3	N	4.0	600	0.2	0.005	1.80	0.2	2.0	.32	.29	.26
511-TS820-600T	TS820-600T	TO-220AB	N	8.0	600	0.2	0.005	1.60	1.0	0.5	.82	.71	.63



TRIGGER DIODES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	V (BO) (V)			V (BO) Semetry (V) Min.	Dynamic Breakover Voltage (V) Min.	I(BO) Max. (µA)	ITRM Max. (A)	Price Each		
			Min.	Typ.	Max.					1	100	500
Thru Hole												
511-DB3	DB3	DO-35	28	32.0	36	3	5	10.0	2.0	.12	.09	.08
511-DB4	DB4	DO-35	35	40.0	45	5	5	10.0	2.0	.16	.14	.12

