

STMICROELECTRONICS Triacs and Alternistors

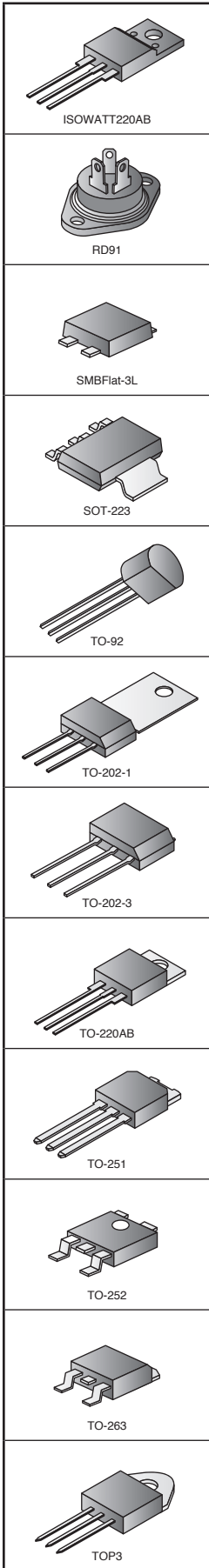


life.augmented

RoHS Compliant This product is RoHS compliant.

Thyristors

STMicroelectronics



NON-SENSITIVE GATE TRIACS

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

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

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	IT _{RMS} Max. (A)	V _{DRM} Min. (V)	I _{GT} Max. (mA)	I _{DRM} @ 25°C Max. (mA)	V _{TM} @ 25°C Max. (V)	P _G (AV) (W)	t _{gt} Typ. (µSec)	Price Each		
											1	10	100
511-BTA10-400C	BTA10-400CRG	TO-220AB	I	10.0	400	25	0.01	1.50	1.0	2.0	1.23	1.09	1.01
511-BTA10-400B	BTA10-400BRG	TO-220AB	I	10.0	400	50	0.01	1.50	1.0	2.0	1.58	1.40	1.10
511-BTA10-600B	BTA10-600BRG	TO-220AB	I	10.0	600	50	0.01	1.50	1.0	2.0	1.11	.985	.907
511-BTA40-600B	BTA40-600B	RD91	I	40.0	600	50	0.005	1.55	1.0	2.5	5.06	4.90	4.76
511-BTA40-800B	BTA40-800B	RD91	I	40.0	800	50	0.005	1.55	1.0	2.5	8.77	7.89	6.48
511-BTA41-600B	BTA41-600BRG	TOP3	I	40.0	600	50	0.005	1.55	1.0	2.0	4.29	4.10	4.03
511-BTA41-700B	BTA41-700BRG	TOP3	I	40.0	700	50	0.005	1.55	1.0	-----	6.34	5.70	4.69

SENSITIVE GATE TRIACS

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

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



◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	IT _{RMS} Max. (A)	V _{DRM} Min. (V)	I _{GT} Max. (mA)	I _{DRM} @ 25°C Max. (mA)	V _{TM} @ 25°C Max. (V)	P _G (AV) (W)	t _{gt} Typ. (µSec)	Price Each		
											1	10	100
511-Z0103MA	Z0103MA 1AA2	TO-92	N	0.8	600	3	0.01	1.50	0.1	2.0	.36	.321	.296
511-Z00607MA	Z00607MA 1BA2	TO-92	N	0.8	600	5	0.01	1.50	0.1	2.0	.33	.293	.236
511-Z00607MASBL2	Z00607MA 5BL2	TO-92	N	0.8	600	5	0.01	1.50	0.1	2.0	.69	.554	.415
◆ 511-Z0103MUF	Z0103MUF	SMBFlat-3L	N	1.0	600	3	0.005	1.60	1.0	2.0	.84	.742	.597
◆ 511-Z0103MN	Z0103MN 5AA4	SOT-223	N	1.0	600	5	0.01	1.80	0.1	2.0	1.01	.87	.47
◆ 511-Z0107MUF	Z0107MUF	SMBFlat-3L	N	1.0	600	5	0.005	1.60	1.0	2.0	.84	.742	.597
◆ 511-Z0107MNGAA4	Z0107MNGAA4	SOT-223	N	1.0	600	5	0.5	1.6	1.0	-----	.49	.44	.41
◆ 511-Z0109MUF	Z0109MUF	SMBFlat-3L	N	1.0	600	10	0.005	1.60	1.0	2.0	.84	.742	.597
511-Z0402MF	Z0402MF 1AA2	TO-202-3	N	4.0	600	3	0.005	2.00	0.2	2.0	.91	.79	.612
511-Z0409NF-1AA2	Z0409NF 1AA2	TO-202-3	N	4.0	800	10	0.005	2.00	0.2	2.0	.76	.66	.51
511-BTA06-600S	BTA06-600SRG	TO-220AB	I	6.0	600	10	0.01	1.65	1.0	2.0	.69	.68	.63
◆ 511-TS1220-600B-TR	TS1220-600B-TR	TO-252	N	12.0	600	0.2	0.005	1.60	1.0	---	1.02	.90	.78

LOGIC LEVEL TRIACS

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

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



◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	IT _{RMS} Max. (A)	V _{DRM} Min. (V)	I _{GT} Max. (mA)	I _{DRM} @ 25°C Max. (mA)	V _{TM} @ 25°C Max. (V)	P _G (AV) (W)	t _{gt} Typ. (µSec)	Price Each		
											1	10	100
◆ 511-Z0109MN	Z0109MA 5AA4	SOT-223	N	0.8	600	10	0.01	1.50	0.1	2.0	1.06	.92	.70
511-Z0405DE	Z0405DE 1AA2	TO-202-1	N	4.0	400	5	0.005	2.00	0.2	2.0	.87	.766	.617
◆ 511-T405-600B	T405-600B	TO-252	N	4.0	600	5	0.01	1.75	1.0	2.0	1.04	.93	.744
511-T410-600H	T410-600H	TO-251	N	4.0	600	10	0.005	1.75	1.0	2.0	1.03	.911	.72
511-T410-600T	T410-600T	TO-220AB	N	4.0	600	10	0.01	1.75	1.0	2.0	.64	.578	.532
511-BTA06-600TW	BTA06-600TWRG	TO-220AB	I	6.0	600	5	0.005	1.55	1.0	2.0	1.29	1.14	.901
511-BTA06-600SW	BTA06-600SWRG	TO-220AB	I	6.0	600	10	0.005	1.55	1.0	---	1.29	1.14	.901
511-BTA06-800TWRG	BTA06-800TWRG	TO-220AB	I	6.0	800	5	0.005	1.55	1.0	2.0	1.32	.90	.873
511-BTA08-600SW	BTA08-600SWRG	TO-220AB	I	8.0	600	10	0.01	1.75	1.0	2.0	1.41	1.25	.989
511-BTA16-600SW	BTA16-600SWRG	TO-220AB	I	16.0	600	10	0.005	1.55	1.0	2.0	1.09	1.05	1.02
511-BTB16-800SWRG	BTB16-800SWRG	TO-220AB	N	16.0	800	10	0.005	1.55	1.0	2.0	1.47	1.30	1.02
511-T1610T-8I	T1610T-8I	TO-220AB	I	16.0	600	0.5	0.01	1.55	1.0	2.0	3.63	3.39	3.15
511-T1625T-8I	T1625T-8I	TO-220AB	I	25.0	600	0.5	0.05	1.55	1.0	2.0	3.81	3.56	3.31

SNUBBERLESS TRIACS

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

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



◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	IT _{RMS} Max. (A)	V _{DRM} Min. (V)	I _{GT} Max. (mA)	I _{DRM} @ 25°C Max. (mA)	V _{TM} @ 25°C Max. (V)	P _G (AV) (W)	t _{gt} Typ. (µSec)	Price Each		
											1	10	100
511-BTB04-600SL	BTB04-600SL	TO-220AB	N	4.0	600	10	0.005	1.5	0.5	-----	.31	.30	.291
◆ 511-T435-600B	T435-600B	TO-252	N	4.0	600	35	0.01	1.75	1.0	2.0	.88	.788	.631
511-T435-600T	T435-600T	TO-220AB	N	4.0	600	35	0.005	1.56	1.0	-----	.96	.84	.668
511-T43560W	T43560W	ISOWATT220AB	I	4.0	600	35	0.005	1.56	1.0	-----	1.40	1.25	.99
◆ 511-T435-800B-TR	T435-800B-TR	TO-252	N	4.0	800	35	0.005	1.50	1.0	2.0	1.07	.86	.766
511-BTA06-400C	BTA06-400CRG	TO-220AB	I	6.0	400	25	0.01	1.65	1.0	2.0	.98	.878	.808
511-BTA06-600C	BTA06-600CRG	TO-220AB	I	6.0	600	25	0.01	1.65	1.0	2.0	1.36	1.20	.95
511-BTA06-600CW	BTA06-600CWRG	TO-220AB	I	6.0	600	35	0.005	1.55	1.0	2.0	1.29	1.14	.901
511-BTA06-600B	BTA06-600BRG	TO-220AB	I	6.0	600	50	0.01	1.65	1.0	2.0	1.32	1.17	.839
511-BTB06-800TWRG	BTB06-800TWRG	TO-220AB	N	6.0	600	50	0.005	1.55	1.0	-----	1.00	.844	.781
511-BTB08-400C	BTB08-400CRG	TO-220AB	N	8.0	400	25	0.01	1.75	1.0	2.0	.61	.591	.573
511-BTA08-400B	BTA08-400BRG	TO-220AB	I	8.0	400	50	0.01	1.75	1.0	2.0	.98	.58	.562
◆ 511-T810-600G-TR	T810-600G-TR	TO-263	N	8.0	600	10	0.005	1.50	1.0	2.0	1.84	1.64	.84
511-BTA08-600C	BTA08-600CRG	TO-220AB	I	8.0	600	25	0.01	1.75	1.0	2.0	.96	.856	.788
◆ 511-T835-600G	T835-600G	TO-263	N	8.0	600	35	0.005	1.50	1.0	2.0	1.63	1.47	1.18
511-BTA08-600CW	BTA08-600CWRG	TO-220AB	I	8.0	600	35	0.005	1.55	1.0	2.0	1.21	1.16	.989
◆ 511-T835-600B-TR	T835-600B-TR	TO-252	N	8.0	600	50	0.005	1.55	1.0	-----	.89	.854	.59
◆ 511-T835-600G-TR	T835-600G-TR	TO-263	N	8.0	600	35	0.005	1.55	1.0	2.0	.91	.814	.749
511-BTB08-600B	BTB08-600BRG	TO-220AB	N	8.0	600	50	0.01	1.75	1.0	2.0	1.27	1.12	.889
511-BTA08-600BW	BTA08-600BWRG	TO-220AB	I	8.0	600	50	0.01	1.75	1.0	2.0	.98	.878	.808
511-BTB08-600BW	BTB08-600BWRG	TO-220AB	N	8.0	600	50	0.005	1.55	1.0	2.0	1.12	1.07	.889
◆ 511-T835-800B-TR	T835-800B-TR	TO-252	N	8.0	800	35	0.005	1.55	1.0	2.0	.97	.95	.882
511-BTA10-600BW	BTA10-600BWRG	TO-220AB	I	10.0	600	50	0.01	1.65	1.0	2.0	1.52	1.34	1.06
511-BTB10-600BW	BTB10-600BWRG	TO-220AB	N	10.0	600	50	0.005	1.55	1.0	2.0	1.32	1.17	.926
◆ 511-T1235-600G	T1235-600G	TO-263	N	12.0	600	35	0.005	1.50	1.0	2.0	1.34	1.23	1.08
◆ 511-T1235H-6G-TR	T1235H-6G-TR	TO-263	N	12.0	600	35	0.005	1.50	1.0	-----	1.98	1.70	1.38
511-BTA12-600CW	BTA12-600CWRG	TO-220AB	I	12.0	600	35	0.005	1.55	1.0	-----	1.59	1.40	1.11
511-BTA12-600B	BTA12-600BRG	TO-220AB	I	12.0	600	50	0.01	1.50	1.0	2.0	.81	.794	.723
511-BTA12-600BW	BTA12-600BWRG	TO-220AB	I	12.0	600	50	0.01	1.60	1.0	2.0	1.26	1.20	1.12
511-BTB12-600BW	BTB12-600BWRG	TO-220AB	N	12.0	600	50	0.005	1.55	1.0	2.0	.91	.814	.749
511-BTA12-700B	BTA12-700BRG	TO-220AB	I	12.0	700	50	0.01	1.50	1.0	2.0	.91	.884	.805
511-BTA12-800CWRG	BTA12-800CWRG	TO-220AB	I	12.0	800	35	0.005	1.55	1.0	2.0	1.54	1.36	