

STMicroelectronics Triacs



NON-SENSITIVE GATE TRIACS

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

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

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	Pg (AV) (W)	tgt Typ. (µSec)	Price Each		
											1	10	100
Thru-Hole													
511-BTA06-400C	BTA06-400CRG	TO-220AB	I	6.0	400	25	0.01	1.65	1.0	2.0	1.29	1.13	.875
511-BTA06-400B	BTA06-400BRG	TO-220AB	I	6.0	400	50	0.01	1.65	1.0	2.0	1.29	1.13	.875
511-BTA06-600C	BTA06-600CRG	TO-220AB	I	6.0	600	25	0.01	1.65	1.0	2.0	1.31	1.10	.875
511-BTA06-600B	BTA06-600BRG	TO-220AB	I	6.0	600	50	0.01	1.65	1.0	2.0	1.31	1.10	.802
511-BTB06-600C	BTB06-600CRG	TO-220AB	N	6.0	600	25	0.01	1.65	1.0	2.0	1.09	.943	.725
511-BTA08-400B	BTA08-400BRG	TO-220AB	I	8.0	400	50	0.01	1.75	1.0	2.0	1.04	.75	.708
511-BTB08-400C	BTB08-400CRG	TO-220AB	N	8.0	400	25	0.01	1.75	1.0	2.0	1.32	1.10	.93
511-BTA08-600C	BTA08-600CRG	TO-220AB	I	8.0	600	25	0.01	1.75	1.0	2.0	1.31	1.13	.875
511-BTB08-600B	BTB08-600BRG	TO-220AB	N	8.0	600	50	0.01	1.75	1.0	2.0	1.20	1.07	.85
511-BTA10-400C	BTA10-400CRG	TO-220AB	I	10.0	400	25	0.01	1.50	1.0	2.0	1.43	1.27	1.00
511-BTA10-400B	BTA10-400BRG	TO-220AB	I	10.0	400	50	0.01	1.50	1.0	2.0	1.10	.89	.85
511-BTA10-600C	BTA10-600CRG	TO-220AB	I	10.0	600	25	0.01	1.50	1.0	2.0	1.50	1.30	1.00
511-BTA10-600B	BTA10-600BRG	TO-220AB	I	10.0	600	50	0.01	1.50	1.0	2.0	1.35	1.09	.949
511-BTA12-600B	BTA12-600BRG	TO-220AB	I	12.0	600	50	0.01	1.50	1.0	2.0	1.20	1.09	1.05
511-BTB12-600B	BTB12-600BRG	TO-220AB	N	12.0	600	50	0.01	1.50	1.0	2.0	1.53	1.35	1.14
511-BTA12-700B	BTA12-700BRG	TO-220AB	I	12.0	700	50	0.01	1.50	1.0	2.0	1.56	1.41	1.05
511-BTA16-400B	BTA16-400BRG	TO-220AB	I	16.0	400	50	0.01	1.60	1.0	2.0	1.24	1.13	.99
511-BTA16-600B	BTA16-600BRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.56	1.33	1.13
511-BTB16-600B	BTB16-600BRG	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	1.65	1.43	1.10
511-BTA16-800B	BTA16-800BRG	TO-220AB	I	16.0	800	50	0.01	1.60	1.0	2.0	1.94	1.88	1.30
511-BTB16-800BW	BTB16-800BW	TO-220AB	N	16.0	800	50	0.005	1.55	1.0	2.0	1.26	1.15	1.01
511-BTA26-600B	BTA26-600BRG	TOP3	I	25.0	600	50	0.01	1.70	1.0	2.5	5.76	5.30	4.71
511-BTA25-600B	BTA25-600B	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	2.0	6.53	5.43	4.60
511-BTA24-800BWRG	BTA24-800BWRG	TO-220AB	I	25.0	600	50	.01	1.55	1.0	2.5	2.29	1.95	1.59
511-BTB24-600B	BTB24-600BRG	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.5	1.87	1.50	1.44
511-BTA26-800B	BTA26-800BRG	TOP3	I	25.0	800	50	0.005	1.55	1.0	2.0	4.27	3.46	2.78
511-BTB24-800B	BTB24-800BRG	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.5	2.20	1.89	1.74
511-BTA40-600B	BTA40-600B	RD91	I	40.0	600	50	0.005	1.55	1.0	2.5	6.76	6.50	4.94
511-BTA41-700B	BTA41-700BRG	TOP3	I	40.0	700	50	0.01	1.80	1.0	2.5	6.21	5.70	4.72
511-BTA40-800B	BTA40-800B	RD91	I	40.0	800	50	0.005	1.55	1.0	2.5	8.71	8.36	6.35



SENSITIVE GATE TRIACS

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

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

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	Pg (AV) (W)	tgt Typ. (µSec)	Price Each		
											1	10	100
Surface Mount													
511-Z1013MN	Z1013MN 5AA4	SOT-223	N	1.0	600	5	0.01	1.80	0.1	2.0	.95	.73	.626
511-T405-600B	T405-600B	TO-252	N	4.0	600	5	0.01	1.75	1.0	2.0	.81	.70	.59
Thru Hole													
511-Z00607MA	Z00607MA 1BA2	TO-92	N	0.8	600	5	0.01	1.50	0.1	2.0	.52	.33	.299
511-BTA04-700T	BTA04-700TRG	TO-220AB	I	4.0	700	5	0.010	1.65	1.0	2.0	.97	.83	.70
511-BTA06-600S	BTA06-600SRG	TO-220AB	N	6.0	600	10	0.01	1.65	1.0	2.0	.69	.68	.63
511-BTA06-600T	BTA06-600TRG	TO-220AB	N	6.0	600	5	0.01	1.65	1.0	2.0	1.31	1.13	.875
511-BTB04-600T	BTB04-600TRG	TO-220AB	N	4.0	600	5	0.010	1.65	1.0	2.0	.97	.83	.71
511-T1010H-6T	T1010H-6T	TO-220	N	10.0	600	10	0.005	1.50	1.0	2.0	1.42	1.26	1.14
511-T405-600T	T405-600T	TO-220AB	N	4.0	600	5	0.01	1.75	1.0	2.0	1.00	.84	.70
511-T410-400T	T410-400T	TO-220AB	N	4.0	400	10	0.01	1.75	1.0	2.0	.76	.65	.56
511-T410-600T	T410-600T	TO-220AB	N	4.0	600	10	0.01	1.75	1.0	2.0	.87	.75	.675
511-T410H-6T	T410H-6T	TO-220	N	4.0	600	10	0.005	1.50	1.0	2.0	1.35	1.20	1.13
511-T610H-6T	T610H-6T	TO-220	N	6.0	600	10	0.005	1.50	1.0	2.0	1.53	1.32	1.20
511-T810H-6T	T810H-6T	TO-220	N	8.0	600	10	0.005	1.50	1.0	2.0	1.56	1.39	1.27
511-Z0402MF	Z0402MF 1AA2	TO-202-3	N	4.0	600	3	0.005	2.00	0.2	2.0	.88	.70	.56
511-Z0405MF	Z0405MF 1AA2	TO-202-3	N	4.0	600	5	0.005	2.00	0.2	2.0	1.22	1.01	.849
511-Z0409MF	Z0409MF 1AA2	TO-202-3	N	4.0	600	10	0.005	2.00	0.2	2.0	.93	.669	.572
511-Z0409NF-1AA2	Z0409NF 1AA2	TO-202-3	N	4.0	800	10	0.005	2.00	0.2	2.0	.69	.594	.442



LOGIC LEVEL TRIACS

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

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

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	Pg (AV) (W)	tgt Typ. (µSec)	Price Each		
											1	10	100
Surface Mount													
511-Z10107NN5AA4	Z10107NN 5AA4	SOT-223	N	0.8	800	7	0.005	1.56	1.0	-----	.64	.52	.464
511-Z10109MN	Z10109MA 5AA4	SOT-223	N	0.8	600	10	0.01	1.50	0.1	2.0	.67	.54	.464
Thru Hole													
511-Z10103MA	Z10103MA 1AA2	TO-92	N	0.8	600	3	0.01	1.50	0.1	2.0	.55	.428	.36
511-Z10109MA	Z10109MA 1AA2	TO-92	N	0.8	600	10	0.01	1.50	0.1	2.0	.73	.572	.51
511-Z0405DE	Z0405DE 1AA2	TO-202-1	N	4.0	400	5	0.005	2.00	0.2	2.0	.78	.67	.58
511-BTB06-600SW	BTB06-600CWRG	TO-220AB	N	6.0	600	10	0.01	1.75	1.0	2.0	.97	.83	.713
511-BTA08-600SW	BTA08-600SWRG	TO-220AB	I	8.0	600	10	0.01	1.75	1.0	2.0	1.31	1.13	.875
511-BTB12-700SW	BTB12-700SWRG	TO-220AB	N	12.0	700	10	0.005	1.55	1.0	2.0	1.39	1.27	1.00

