

# 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 1000 and up, call for quote.

Replaces Teccor	MOUSER STOCK 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 Max. (µSec)	Price Each		
											1	100	500
<b>Thru-Hole</b>													
Q4006L5	<a href="#">511-BTA06-400B</a>	TO-220AB	I	6.0	400	50	0.01	1.65	1.0	2.0	.80	.68	.60
Q6006L4	<a href="#">511-BTA06-600B</a>	TO-220AB	I	6.0	600	50	0.01	1.65	1.0	2.0	.94	.80	.71
Q6004L4	<a href="#">511-BTA06-600C</a>	TO-220AB	I	6.0	600	25	0.01	1.65	1.0	2.0	.94	.80	.71
-----	<a href="#">511-BTB06-600C</a>	TO-220AB	N	6.0	600	25	0.01	1.65	1.0	2.0	.78	.66	.59
Q4008L5	<a href="#">511-BTA08-400B</a>	TO-220AB	I	8.0	400	50	0.01	1.75	1.0	2.0	.80	.68	.60
-----	<a href="#">511-BTB08-400B</a>	TO-220AB	N	8.0	400	50	0.005	1.55	1.0	2.0	.76	.65	.57
-----	<a href="#">511-BTB08-400C</a>	TO-220AB	N	8.0	400	25	0.01	1.75	1.0	2.0	.76	.65	.57
-----	<a href="#">511-BTB08-600B</a>	TO-220AB	N	8.0	600	50	0.01	1.75	1.0	2.0	.80	.68	.60
Q6008L4	<a href="#">511-BTA08-600C</a>	TO-220AB	I	8.0	600	25	0.01	1.75	1.0	2.0	.94	.80	.71
Q4010L5	<a href="#">511-BTA10-400B</a>	TO-220AB	I	10.0	400	50	0.01	1.50	1.0	2.0	.86	.73	.65
-----	<a href="#">511-BTA10-400C</a>	TO-220AB	I	10.0	400	25	0.01	1.50	1.0	2.0	.88	.75	.66
Q6010L5	<a href="#">511-BTA10-600B</a>	TO-220AB	I	10.0	600	50	0.01	1.50	1.0	2.0	1.08	.92	.81
-----	<a href="#">511-BTA10-600C</a>	TO-220AB	I	10.0	600	25	0.01	1.50	1.0	2.0	1.08	.92	.81
Q4012L5	<a href="#">511-BTA12-400B</a>	TO-220AB	I	12.0	400	50	0.01	1.50	1.0	2.0	.98	.83	.74
Q6012L5	<a href="#">511-BTA12-600B</a>	TO-220AB	I	12.0	600	50	0.01	1.50	1.0	2.0	1.06	.90	.80
-----	<a href="#">511-BTB12-600B</a>	TO-220AB	N	12.0	600	50	0.01	1.50	1.0	2.0	.94	.80	.71
-----	<a href="#">511-BTB12-800B</a>	TO-220AB	N	12.0	800	100	0.005	1.55	1.0	2.0	1.08	.92	.81
Q4015L5	<a href="#">511-BTA16-400B</a>	TO-220AB	I	16.0	400	50	0.01	1.60	1.0	2.0	1.26	1.07	.95
Q6015L5	<a href="#">511-BTA16-600B</a>	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.36	1.16	1.02
Q6015R5	<a href="#">511-BTB16-600B</a>	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	1.18	1.00	.89
-----	<a href="#">511-BTA26-600B</a>	TO-3P	I	25.0	600	50	0.01	1.70	1.0	2.5	4.80	4.08	3.60
-----	<a href="#">511-BTA26-700B</a>	TO-3P	I	25.0	700	100	0.01	1.70	1.0	2.5	3.60	3.06	2.70
Q5025L5	<a href="#">511-BTB24-600B</a>	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.5	1.78	1.51	1.34
-----	<a href="#">511-BTB24-600BRG</a>	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.0	1.62	1.38	1.22
-----	<a href="#">511-BTB24-800B</a>	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.5	1.62	1.38	1.22
-----	<a href="#">511-BTA41-400B</a>	TO-3P	I	40.0	400	50	0.01	1.80	1.0	2.5	5.20	4.42	3.90
-----	<a href="#">511-BTA41-600B</a>	TO-3P	I	40.0	600	50	0.01	1.80	1.0	2.5	7.50	6.38	5.63
-----	<a href="#">511-BTB41-600B</a>	TO-3P	N	40.0	600	50	0.01	1.80	1.0	2.5	6.60	5.61	4.95
-----	<a href="#">511-BTB41-600B</a>	TO-3P	N	40.0	600	50	0.01	1.80	1.0	2.5	5.50	4.68	4.13
-----	<a href="#">511-BTA41-700B</a>	TO-3P	I	40.0	700	50	0.01	1.80	1.0	2.5	4.16	3.54	3.12
-----	<a href="#">511-BTB41-800B</a>	TO-3P	N	40.0	800	50	0.01	1.80	1.0	2.5	6.40	5.44	4.80
-----	<a href="#">511-BTA40-800B</a>	RD91	I	40.0	800	50	0.005	1.55	1.0	2.5	6.68	5.68	5.01

## SENSITIVE GATE TRIACS (DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

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MOUSER STOCK 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 Max. (µSec)	Price Each		
										1	100	500
<b>Surface Mount</b>												
<a href="#">511-Z0109DN</a>	SOT-223	N	1.0	400	10	0.01	1.80	0.1	2.0	.62	.53	.46
<a href="#">511-Z0103MN</a>	SOT-223	N	1.0	600	5	0.01	1.80	0.1	2.0	.65	.55	.48
<a href="#">511-Z0107MN</a>	SOT-223	N	1.0	600	7	0.01	1.80	0.1	2.0	.63	.54	.47
<a href="#">511-Z0109MN</a>	SOT-223	N	1.0	600	10	0.01	1.80	0.1	2.0	.63	.54	.47
<a href="#">511-T405-600B</a>	TO-252	N	4.0	600	5	0.01	1.75	1.0	2.0	.68	.58	.51
<b>Thru-Hole</b>												
<a href="#">511-Z00607MA</a>	TO-92	N	0.8	600	5	0.01	1.50	0.1	2.0	.24	.20	.18
<a href="#">511-T405-600T</a>	TO-220AB	N	4.0	600	5	0.01	1.75	1.0	2.0	.62	.53	.47
<a href="#">511-T410-400T</a>	TO-220AB	N	4.0	400	10	0.01	1.75	1.0	2.0	.58	.49	.44
<a href="#">511-T410-600T</a>	TO-220AB	N	4.0	600	10	0.01	1.75	1.0	2.0	.60	.51	.45
<a href="#">511-Z0402MF</a>	TO-202-3	N	4.0	600	3	0.005	2.00	0.2	2.0	.80	.68	.60
<a href="#">511-Z0409MF</a>	TO-202-3	N	4.0	600	10	0.005	2.00	0.2	2.0	.62	.53	.47
<a href="#">511-BTA06-600S</a>	TO-220AB	I	6.0	600	10	0.01	1.65	1.0	2.0	.82	.70	.62
<a href="#">511-BTA06-600T</a>	TO-220AB	I	6.0	600	5	0.01	1.65	1.0	2.0	.90	.77	.68

## LOGIC LEVEL TRIACS (DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

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Replaces Teccor	MOUSER STOCK 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 Max. (µSec)	Price Each		
											1	100	500
<b>Thru-Hole</b>													
L601E3	<a href="#">511-Z0103MA</a>	TO-92	N	0.8	600	3	0.01	1.50	0.1	2.0	.33	.28	.25
L401E5	<a href="#">511-Z0107DA</a>	TO-92	N	0.8	400	5	0.01	1.50	0.1	2.0	.40	.34	.30
L401E6	<a href="#">511-Z0109DA</a>	TO-92	N	0.8	400	10	0.01	1.50	0.1	2.0	.36	.31	.27
L601E6	<a href="#">511-Z0109MA</a>	TO-92	N	0.8	600	10	0.01	1.50	0.1	2.0	.42	.36	.32
L4004F51	<a href="#">511-Z0405DE</a>	TO-202-1	N	4.0	400	5	0.005	2.00	0.2	2.0	.66	.56	.50
L6004F52	<a href="#">511-Z0405MF</a>	TO-202-2	N	4.0	600	5	0.005	2.00	0.2	2.0	.72	.61	.54
L4004F92	<a href="#">511-Z0410DF</a>	TO-202-2	N	4.0	400	25	0.005	2.00	0.2	2.0	.56	.48	.42
L6004F92	<a href="#">511-Z0410MF</a>	TO-202-2	N	4.0	600	25	0.005	2.00	0.2	2.0	.62	.53	.47
L6008L7	<a href="#">511-BTA08-600SW</a>	TO-220AB	I	8.0	600	10	0.01	1.75	1.0	2.0	.92	.78	.69

