

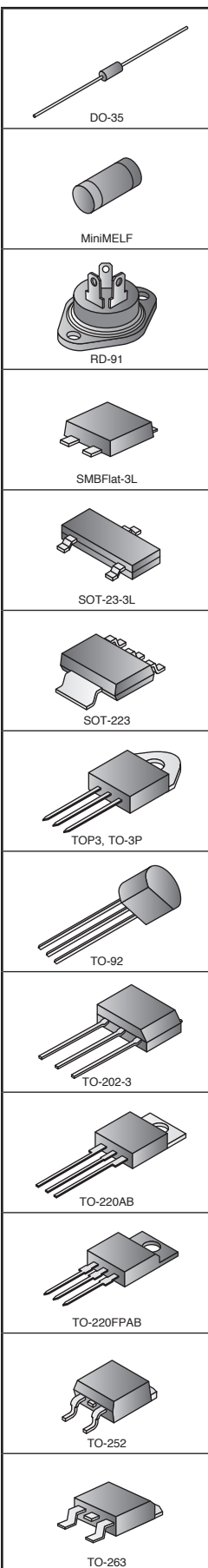
STMICROELECTRONICS Alternistors, SCRs and Trigger Diodes

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Thyristors

STMicroelectronics



SNUBBERLESS TRIACS (CONT.)

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)
Package Type: I = Isolated, Case N = Non-Isolated Case

PRODUCT NEW

◆ Surface Mount Device

For quantities greater than listed, 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
											◆ 511-T1635-600G-TR	T1635-600G-TR	TO-263
511-BTA16-600CW	BTA16-600CWRG	TO-220AB	I	16.0	600	35	0.01	1.60	1.0	2.0	1.23	1.10	1.01
511-BTA16-600B	BTA16-600BRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.42	1.27	1.17
511-BTA16-600BW	BTA16-600BWRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.18	1.05	.966
511-BT16-600BW	BTB16-600BWRG	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	1.06	.942	.867
◆ 511-T1650-600G-TR	T1650-600G-TR	TO-263	N	16.0	600	50	0.005	1.50	1.0	2.0	2.87	2.45	2.00
511-BTA16-700BW	BTA16-700BWRG	TO-220AB	I	16.0	700	50	0.01	1.50	1.0	2.0	1.56	1.41	1.13
511-BTA16-800CW	BTA16-800CWRG	TO-220AB	I	16.0	800	35	0.01	1.50	1.0	2.0	1.76	1.58	1.27
511-BTA20-600CW	BTA20-600CWRG	TO-220AB	I	20.0	600	35	0.01	1.50	1.0	2.0	1.54	1.49	1.40
511-BTA25-600B	BTA25-600B	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	2.0	5.64	5.03	4.63
511-BTA26-600B	BTA26-600BRG	TOP3	I	25.0	600	50	0.01	1.70	1.0	2.5	6.62	5.90	4.84
511-BT24-600B	BTB24-600BRG	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.5	1.66	1.48	1.36
511-BTA24-600BW	BTA24-600BWRG	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	2.0	1.15	1.11	.969
511-BTA26-600BW	BTA26-600BWRG	TOP3	I	25.0	600	50	0.005	1.55	1.0	2.0	4.41	3.93	3.22
511-BT24-600BW	BTB24-600BWRG	TO-220AB	N	25.0	600	50	0.005	1.55	1.0	2.0	1.64	1.46	1.34
511-BTA25-700B	BTA25-700B	RD-91	I	25.0	700	50	0.005	1.55	1.0	2.0	5.62	5.01	4.61
◆ 511-T2535-800G	T2535-800G	TO-263	N	25.0	800	35	0.005	1.50	1.0	2.0	2.90	2.60	2.13
511-BTA24-800CW	BTA24-800CWRG	TO-220AB	I	25.0	800	35	0.005	1.55	1.0	2.0	2.70	2.43	1.95
511-BTA26-800CW	BTA26-800CWRG	TOP3	I	25.0	800	35	0.005	1.55	1.0	2.5	4.41	3.92	3.00
511-BTA24-800BWRG	BTA24-800BWRG	TO-220AB	I	25.0	800	50	0.01	1.55	1.0	2.5	1.31	1.27	1.26
511-BT24-800BW	BTB24-800BWRG	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.0	1.46	1.41	1.29
511-T3035H-6T	T3035H-6T	TO-220AB	N	30.0	600	35	0.01	1.55	1.0	2.0	3.38	3.02	2.47
511-T3050H-6I	T3050H-6I	TO-220AB	I	30.0	600	50	0.01	1.55	1.0	2.0	3.68	3.28	2.69
511-BT41-600B	BTB41-600BRG	TOP3	N	41.0	600	50	0.005	1.55	1.0	2.0	7.88	7.08	5.82

AUTOMATIC VOLTAGE SWITCH (SMPS <200W)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	VSS Min/Max (V)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	ITSM (A)	Supply Current (Max)(mA)	Price Each		
											1	10	100
											511-AVS08CB	AVS08CB	TO-220AB

NON-SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)
Package Type: I = Isolated, Case N = Non-Isolated Case

PRODUCT NEW

◆ Surface Mount Device

For quantities greater than listed, 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
											511-TYN606	TYN606RG	TO-220AB
511-TYN608	TYN608RG	TO-220AB	N	8.0	600	15	0.01	1.80	1.0	2.0	.67	.64	.61
511-TYN610	TYN610RG	TO-220AB	N	10.0	600	15	0.01	1.60	1.0	2.0	.81	.78	.76
◆ 511-TN1215-600G-TR	TN1215-600G-TR	TO-263	N	12.0	600	0.2	0.005	1.60	1.0	2.0	1.29	1.19	1.01
511-TYN412	TYN412RG	TO-220AB	N	12.0	400	15	0.01	1.60	1.0	2.0	1.11	1.05	.98
511-TYN612	TYN612RG	TO-220AB	N	12.0	600	15	0.01	1.60	1.0	2.0	1.07	.95	.78
511-TYN612M	TYN612MRG	TO-220AB	N	12.0	600	1.5	0.005	1.60	1.0	2.0	.80	.78	.72
511-TYN612MFP	TYN612MFP	TO-220FPAB	I	12.0	600	1.5	0.005	1.60	1.0	2.0	.67	.64	.61
511-TYN1012	TYN1012RG	TO-220AB	N	12.0	1000	0.2	0.005	1.60	1.0	2.0	1.64	1.45	1.23
511-TYN616	TYN616RG	TO-220AB	N	16.0	600	25	0.01	1.60	1.0	2.0	.83	.743	.628
511-TYN816	TYN816RG	TO-220AB	N	16.0	800	25	0.01	1.60	1.0	2.0	.69	.63	.59
511-TYN225	TYN225RG	TO-220AB	N	25.0	200	40	0.01	1.60	1.0	2.0	1.51	1.33	1.05
511-TYN825	TYN825RG	TO-220AB	N	25.0	800	40	0.01	1.60	1.0	2.0	2.70	2.25	1.81
511-BTW68-1200	BTW68-1200RG	TO-3P	I	30.0	1200	50	0.020	2.1	1.0	2.0	5.49	5.25	4.37
511-TYN640	TYN640RG	TO-220AB	N	40.0	600	35	0.005	1.60	1.0	2.0	1.88	1.67	1.41
511-BTW69-200	BTW69-200RG	TO-3P	I	50.0	200	80	0.020	1.90	1.0	2.0	4.98	4.76	3.96
511-BTW69-600	BTW69-600	TO-3P	I	50.0	600	80	0.020	1.90	1.0	2.0	5.44	4.85	3.98
511-BTW69-1200	BTW69-1200	TO-3P	I	50.0	1200	80	0.020	1.90	1.0	2.0	7.38	7.08	5.82

SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)
Package Type: I = Isolated Case, N = Non-Isolated Case

PRODUCT NEW

◆ Surface Mount Device

For quantities greater than listed, 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
											◆ 511-P0102BL	P0102BL 5AA4	SOT-23-3L
◆ 511-P0102DN	P0102DN 5AA4	SOT-223	N	0.8	400	0.2	0.001	1.95	0.1	0.1	.63	.56	.45
511-XL0840	XL0840	TO-92	N	0.8	400	0.2	0.001	1.95	0.1	-----	.55	.42	.294
511-P0102DA	P0102DA 1AA3	TO-92	N	0.8	400	0.2	0.001	1.93	0.1	0.5	.19	.18	.17
◆ 511-P0111MN-5AA4	P0111MN 5AA4	SOT-223	N	0.8	600	0.025	0.01	1.95	0.1	-----	1.04	.827	.615
511-X00619MN5AL2	X00619MN5AL2	TO-92	N	0.8	600	0.3	0.01	1.35	0.1	-----	.61	.575	.452
511-X0202MA	X0202MA 1BA2	TO-92	N	1.25	600	0.2	0.005	1.45	0.2	0.5	.44	.415	.326
511-X0202MA2BL2	X0202MA 2BL2	TO-92	N	1.25	600	0.2	0.005	1.45	0.2	-----	.60	.572	.45
◆ 511-X0202NUF	X0202NUF	SMBFlat-3L	N	1.25	600	0.2	0.005	1.45	0.2	0.5	.83	.784	.616
◆ 511-X0202MNN	X0202MNN 5BA4	SOT-223	N	1.4	600	0.2	0.005	1.50	0.2	0.5	.71	.68	.52
511-X0402MF0AA2	X0402MF 0AA2	TO-202-3	N	4.0	600	0.2	0.005	1.80	0.2	2.0	.48	.454	.357
511-X0402NF	X0402NF 1AA2	TO-202-3	N	4.0	800	0.2	0.005	1.80	0.2	2.0	.84	.796	.626
◆ 511-TS820-600B-TR	TS820-600B-TR	TO-252	N	8.0	600	0.2	0.005	1.6	1.0	-----	1.19	1.06	.80
511-TS820-600T	TS820-600T	TO-220AB	N	8.0	600	0.2	0.005	1.60	1.0	0.5	1.18	1.12	.97

TRIGGER DIODES

◆ Surface Mount Device

PRODUCT NEW

For quantities greater than listed, 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	10	100
			511-DB3	DB3	DO-35					28	32	36
◆ 511-TMMD3	TMMD3	MiniMELF	28	32	36	3	5	50	2	.64	.51	.382
511-DB4	DB4	DO-35	35	40	45	5	5	10	2	.25	.241	.234