

Power Devices

Triacs (in order of current rating) (cont.)

Type No.	Package Outline	RMS On-State Current I_T (RMS)max. (1)	Repetitive Peak Off-State Voltage V_{DRM} max.	Non- Repetitive Peak On-State Current I_{TSM} max.	Rate of Rise of On-State Current di_T/dt max.	Rate of Rise of Off-State Voltage dV_D/dt max.	Gate Trigger Current I_{GT} min. (2)		Gate Trigger Voltage V_{GT} min.
							T2 + T2 + T2- G+ G- G-	T- G+	
BTW43-600H -1000H -1200H	TO-64	12A	600V 1000V 1200V	120A	50A/ μ s	200V/ μ s *10V/ μ s @10A/ms	100mA	200mA	2.5V (5V with T-, G+)
BTA212-600B** -800B	TO-220AB	12A	600V 800V	140A	30A/ μ s	500V/ μ s	2mA	2mA	0.2V
BT139-500 -600 -800	TO-220AB	16A	500V 600V 800V	115A	50A/ μ s	100V/ μ s	35mA	70mA	1.5V
BT139-500E -600E -800E	TO-220AB	16A	500V 600V 800V	115A	50A/ μ s	50V/ μ s (typ)	10mA	25mA	1.5V
BT139-500F -600F -800F	TO-220AB	16A	500V 600V 800V	115A	50A/ μ s	50V/ μ s	25mA	70mA	1.5V
BT139-500G -600G -800G	TO-220AB	16A	500V 600V 800V	115A	50A/ μ s	200V/ μ s	50mA	100mA	1.5V
BT139-500H -600H -700H -800H	TO-220AB	16A	500V 600V 700V 800V	140A	30A/ μ s	500V/ μ s	10mA	10mA	0.25V
BT139F-500 -600 -800	SOT-186 (F-PAK)	16A	500V 600V 800V	115A	50A/ μ s	100V/ μ s	35mA	70mA	1.5V
BTA216-600B** -800B	TO-220AB	16A	600V 800V	140A	30A/ μ s	500V/ μ s	2mA	2mA	0.2V
BTA140-500 -600 -800	TO-220AB	25A	500V 600V 800V	220A	30A/ μ s	100V/ μ s *10V/ μ s @9A/ms	35mA	70mA	1.5V

(1) T_{mb} = max. rated (2) Gate to terminal 1. * dV_{com}/dt ** Hi-com TRIAC

Power MOSFET Transistors

General Purpose (in order of Voltage/ R_{DS} on)

V_{DS} MAX (V)	Type No.	Package Outline	I_D max (A)	P_{tot} max (W)	R_{DS} ON max (Ω)
60	BUK452-60B	TO-220AB	14	60	0.15
60	BUK452-60A	TO-220AB	15	60	0.13
60	BUK453-60B	TO-220AB	20	75	0.10
60	BUK443-60B	SOT-186*	12	25	0.10
60	BUK483-60A	SOT-223	3.2	1.8	0.10
60	BUK453-60A	TO-220AB	22	75	0.08
60	BUK443-60A	SOT-186*	13	25	0.08
60	BUK455-60B	TO-220AB	38	125	0.045
60	BUK445-60B	SOT-186*	20	30	0.045
60	BUK455-60A	TO-220AB	41	125	0.038

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