

High Speed, Medium Voltage Transistors (in order of current rating)

Type No.	Package Outline	$I_C(DC)^{(1)}$	V_{CBO}	V_{CEO}	$V_{CE(sat)}$ max. at I_C	t_f max. at I_C
BU406 BU407	TO-220AB	7A	400V 300V	200V 100V	1V at 5A	750ns at 5A
BUV28 BUV28A	TO-220AB	12A	400V 450V	200V 225V	1.5V at 6A 1.5V at 4A	40ns at 6A 40ns at 4A
BUV27 BUV27A	TO-220AB	13A	240V 360V	120V 150V	1.5V at 8A 1V at 7A	40ns at 8A 40ns at 7A
BUV26 BUV26A	TO-220AB	14A	180V 200V	90V 100V	1.5V at 12A 1V at 10A	40ns at 12A 40ns at 10A

(1) T_{mb} = max. rated.

High Speed, High Voltage Darlington's (in order of current rating)

Type No.	Package Outline	$I_C(DC)^{(1)}$	V_{CBO}	V_{CEO}	$V_{CE(sat)}$ max. at I_C	t_f max at I_C
BU826 BU826A	SOT-93	6A	800V 900V	375V 400V	2V at 2.5A	0.6 μ s at 2.5A ($T_{mb} = 100^\circ C$)
ESM3045DV	SOT-227B2	24A	600V	450V	2V at 15A	*0.4 μ s at 15A
ESM4045AV ESM4045DV	SOT-227B2	42A	1000V 600V	450V	2V at 25A	*0.6 μ s at 25A *0.5 μ s at 25A
ESM5045DV	SOT-227B2	60A	600V	450V	2V at 35A	*0.5 μ s at 35A

(1) T_{mb} = max. rated. * Typical values at $T_{mb} = 100^\circ C$. D indicates integral diode.

High Speed, High Voltage Transistors (in order of current rating)

Type No.	Package Outline	$I_C(DC)^{(1)}$	V_{CES}	V_{CEO}	$V_{CE(sat)}$ max. at I_C/I_B	t_f typ at I_C (Inductive Load)
BUX86 BUX87	TO-126	0.5A	800V 1000V	400V 450V	1.5V at 0.1A	0.4 μ s at 0.2A
BUX99	TO-126	1.5A	750V	300V	1V at 0.2A	
BUX84 BUX85	TO-220AB	2A	800V 1000V	400V 450V	1V at 1A/0.2A	0.4 μ s at 1A
BUX84F BUX85F	SOT-186 (F-PAK)	2A	800V 1000V	400V 450V	1V at 1A/0.2A	0.4 μ s at 1A
BUT11 BUT11A	TO-220AB	5A	850V 1000V	400V 450V	1.5V at 3A/0.6A 1.5V at 2.5A/0.5A	80ns at 3A 80ns at 2.5A
BUT11F BUT11AF	SOT-186 (F-PAK)	5A	850V 1000V	400V 450V	1.5V at 3A/0.6A 1.5V at 2.5A/0.5A	80ns at 3A 80ns at 2.5A
BUW11 BUW11A	SOT-93	5A	850V 1000V	400V 450V	1.5V at 3A/0.6A 1.5V at 2.5A/0.5A	80ns at 3A 80ns at 2.5A
BUT211	TO-220AB	5A	850V	400V	2V at 3A/0.3A	0.4 μ s at 3A
BUT18 BUT18A	TO-220AB	6A	850V 1000V	400V 450V	1.5V at 4A/0.8A	180ns at 4A
BUT18F BUT18AF	SOT-186 (F-PAK)	6A	850V 1000V	400V 450V	1.5V at 4A/0.8A	180ns at 4A

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