

Mfrs. List No.	Order Code	Price Each				
		1+	5+	10+	25+	50+
BUV298AV	359-725					
		1+	25+	100+	500+	1K+
BUX48	359-830					
BUX48A	260-447					
BUX80	359-853					
BUX81	274-926 †					
BUX88	359-919					
BUX98	359-920					
BUX98A	359-932					
BUX98C	359-944					
BUY69A	359-968					
BUY89	359-981					
MJ423 (ON)	233-2437					
MJ13333	233-1974					
MJ16018	300-4960					
MJE13003	NEW 352-6367					
MJE13005	931-433					
MJE13007 (ON)	931-445					
MJE13007 (ST)	234-850					
MJE13009 (ON)	931-457					
MJE13009 (ST)	360-041					
MJE18204	300-4934					
MJE5731A	NEW 352-6380					
MJE5852	247-327					
MJW16010A	.638-195					
TIP47	.360-077					
TIP48 (ON)	334-3390					
TIP48 (PI)	360-089					
TIP50 (ON)	931-512					
TIP50 (PI)	360-107					
TIPL760A	.360-156					
2N3439	360-235					
2N3440	360-247					
2N3584	360-260					
2N6547	.360-338					
2SC2898	.572-676 †					
2SC2979	.572-688					

† Available until stocks are exhausted

Mfrs. List No.	Order Code	Price Each				
		1+	25+	100+	500+	1K+
BUV48AFI	.251-069					
BUW12AF	.681-910 †					
BUW13AF	.681-921 †					
MJF18004	.931-469					

† Available until stocks are exhausted

High Voltage Deflection Transistors **Philips Semiconductors**



- Fast switching, high performance deflection transistors for TV and monitor applications
- Low losses in all applications
- Full range of isolated and industry standard packages
- Integrated damper diode option

I _C (DC) (A)	V _{CESM} (V)	I _C (SAT) (A)	t _f max. (μs)	PACKAGE		
				SOT199	SOT399 (TOP3D)	TO247 (SOT429)
8	1700	4	0.52		BU2708AX	
8	1500	4.5	1.0	BU508AF		BU508AW
8	1500	4.5	0.6		BU2508AX	
8	1500	4.5	0.6	BU2508DF	BU2508DX	
10	1700	4.5	0.25		BU2722AX	
10	1500	6	0.5	BU2520AF	BU2520AX	BU2520AW
10	1500	6	0.25			BU2522AW
12	1700	5	0.25		BU2727AX	
12	1500	8	0.35		BU2525AX	BU2525AW
12	1500	6	0.2		BU2527AX	BU2527AW
16	1500	9	0.25			BU2530AW
16	1500	7	0.1			BU2532AW

Audio Power Transistors

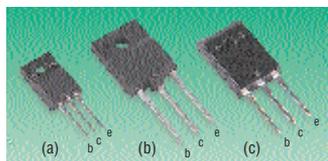
ON Semiconductor



I _C (av) max. (A)	I _C pk. (A)	V _{CEO} max. (V)	V _{CHO} max. (V)	h _{FE} min.	I _C @ (A)	P _{TOT} @ 25°C (W)	Package	Mfrs. List No. NPN	Mfrs. List No. PNP
1	—	250	—	50	1	50	TO-220	MJE15032	MJE15033
8	16	150	150	40	3	50	TO-220	MJE15030	MJE15031
15	25	200	200	60	7	200	TO-264	MJL3281A	MJL1302A
16	30	250	400	25	8	200	TO-264	MJL21194	MJL21193
16	30	250	400	25	8	250	TO-3	MJ21194	MJ21193

Mfrs. List No.	Order Code	Price Each				
		1+	25+	100+	500+	1K+
MJ21193	448-965					
MJ21194	448-953					
MJE15030	708-598					
MJE15031	708-604					
MJE15032	449-039					
MJE15033	473-522					
MJL1302A	708-501					
MJL21193	162-255					
MJL21194	162-267					
MJL3281A	708-495					

High Voltage, Switching – Isolated Packages



- (a) ISOWATT220
Lead spacing = 2.54; Isolation voltage = 2kV
- (b) ISOWATT218
Lead spacing = 5.45; Isolation voltage = 4kV
- (c) SOT-199
Lead spacing = 5.45; Isolation voltage = 1.5kV

For use in converters, inverters, switch mode power supplies, motor control and other inductive switching applications. Isolated packages offer simpler and safer heatsinking.

I _C max. (A)	V _{CEO} max. (V)	V _{CES} max. (V)	V _{CE} (sat) (V) @	I _C (A)	t _f max. (μs)	P _{TOT} @ 25°C (W)	Package	Mfr.	Mfrs. List No.
5	450	1000	1.1	1.0	0.4	35	(a)	ON	MJF18004
8	450	1000	1.5	6.0	0.8	34	(c)	PS	BUW12AF
15	450	1000	1.5	8.0	0.8	65	(b)	ST	BUV48AFI
15	450	1000	1.5	10.0	0.8	37	(c)	PS	BUW13AF

CRT Deflection Transistors

NPN bipolar power transistors for use in horizontal deflection circuits of CRTs. Suitable for medium, high, and very high resolution monochrome and colour applications.

I _C cont. (A)	V _{CEO} (sus) (V)	V _{CES} (V)	V _{CE} (sat) (V) @	I _C (A)	P _{TOT} @ 25°C (W)	Package	Mfr.	Mfrs. List No.
5	600	1500	5.0	4.0	80	TO-247 (BS)	TOSH	2SD1427
5	700	1500	1.0	4.5	150	TO-3	—	BU208A
6	250	550	0.6	1.0	80	TO-220	ON	MJE16204
7	150	330	1.0	5.0	60	TO-220	ON/ST	BU407
7	200	400	1.0	5.0	60	TO-220	ST	BU406
10	650	1500	1.0	5.5	150	TO-247	ON	MJW16212
10	800	1500	—	—	150	TO-247	ON	MJW16018
12	500	1200	1.0	6.5	150	TO-247	ON	MJW16206
15	650	1500	0.5	3.0	170	TO-264	ON	MJL16218

FOR PACKAGE AND PIN-OUT DETAILS, SEE PAGE 358

Mfrs. List No.	Order Code	Price Each				
		1+	25+	100+	500+	1K+
BU208A	.359-403					
BU406	.359-427					
BU407 (ON)	.931-317					
BU407 (ST)	.359-439					
MJE16204	233-0696					
MJL16218	300-5537					
MJW16018	.638-201					
MJW16206	.681-672					
MJW16212	.681-684					
2SD1427	.572-585					

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