

Small Signal Transistors

BS Type Number	Commercial Equivalent	Case Outline	Polarity	Absolute Maximum Rating			hFE at Collector Current			Min. ft MHz	Comments
				V _{CB} V	V _{CE} V	V _{EB} V	hFE min.	hFE max.	I _C mA		
BS9360 F001	BFT32	TO5	NPN	80	60	5	50	300	150	50	3 Amp Capability Amplifier/Switch
BS9360 F001	BFT33	TO5	NPN	100	80	5	50	250	150	50	
BS9360 F001	BFT34	TO5	NPN	120	100	5	50	200	150	50	
BS9360 F002	BFT35	TO5	PNP	80	60	5	50	300	150	50	3 Amp Capability Amplifier/Switch
BS9360 F002	BFT36	TO5	PNP	100	80	5	50	250	150	50	
BS9360 F002	BFT37	TO5	PNP	120	100	5	50	200	150	50	
BS9360 F003	BFT29	TO18	NPN	90	80	5	50	250	100	100	High Current Amplifier/Switch
BS9360 F003	BFT30	TO18	NPN	70	60	5	75	250	100	100	
BS9360 F003	BFT31	TO18	NPN	60	50	5	100	300	100	100	
BS9360 F004	BFT57	TO18	NPN	160	160	5	25	—	30	40	Very High Voltage Amplifiers
BS9360 F004	BFT58	TO18	NPN	250	250	5	25	—	30	40	
BS9360 F004	BFT59	TO18	NPN	300	300	5	25	—	30	40	
BS9360 F005	BFT20	TO18	PNP	80	35	5	30	—	150	60	General Purpose Amplifier
BS9360 F005	BFT21	TO18	PNP	60	30	5	40	—	150	60	
BS9360 F005	BFT22	TO18	PNP	40	20	5	60	—	150	60	
BS9360 F005	BFT69	TO18	PNP	90	80	5	50	250	100	100	High Current Amplifier/Switch
BS9360 F005	BFT70	TO18	PNP	70	60	5	75	250	100	100	
BS9360 F005	BFT71	TO18	PNP	60	50	5	100	300	100	100	
BS9360 F014	2N3440	TO5	NPN	300	250	7	40	160	20	15	Very High Voltage Amplifier/Switch General Purpose
BS9361 F006	2N3053	TO5	NPN	60	40	5	50	250	150	100	
BS9365 F009	BCY70	TO18	PNP	50	40	5	50	—	10	250	Low Level General Purpose Amplifiers and Switches
BS9365 F009	BCY71	TO18	PNP	45	45	5	100	—	10	200	
BS9365 F009	BCY72	TO18	PNP	25	25	5	50	—	10	200	
BS9365 F010	BFX29	TO5	PNP	60	60	5	50	—	10	100	Medium Current Switches
BS9365 F011	BFX30	TO5	PNP	65	65	5	50	290	10	100	
BS9365 F012	BFY50	TO5	NPN	80	35	6	30	—	150	60	High Current Amplifiers
BS9365 F012	BFY51	TO5	NPN	60	30	6	40	—	150	50	
BS9365 F012	RFY52	TO5	NPN	40	20	6	60	—	150	50	
BS9365 F112	BC107	TO18	NPN	50	45	6	110	450	2	150	Low Level General Purpose Amplifiers
BS9365 F112	BC108	TO18	NPN	30	20	5	110	800	2	150	
BS9365 F112	BC109	TO18	NPN	30	20	5	200	800	2	150	
BS9365 F121	BFT39	TO5	NPN	90	80	5	50	250	100	100	High Current Amplifiers
BS9365 F122	BFT40	TO5	NPN	70	60	5	75	250	100	100	
BS9365 F123	BFT41	TO5	NPN	60	50	5	100	300	100	100	
BS9365 F124	BFT60	TO5	PNP	80	35	6	30	—	150	60	High Current Amplifiers
BS9365 F125	BFT61	TO5	PNP	60	30	6	40	—	150	50	
BS9365 F126	BFT62	TO5	PNP	40	20	6	60	—	150	50	
BS9365 F127	BFT79	TO5	PNP	90	80	5	50	250	100	100	High Current Amplifiers
BS9365 F128	BFT80	TO5	PNP	70	60	5	75	250	100	100	
BS9365 F129	BFT81	TO5	PNP	60	50	5	100	300	100	100	
BS9365 F134	BCW34	TO18	NPN	60	45	5	100	350	10	150	Complementary Low Noise Amplifiers
BS9365 F135	BCW35	TO18	PNP	60	45	5	100	350	10	150	
BS9365 F136	BC177	TO18	PNP	50	45	6	60	300	2	150	Low Level General Purpose Amplifiers
BS9365 F136	BC178	TO18	PNP	35	25	6	80	400	2	150	
BS9365 F136	BC179	TO18	PNP	35	25	6	140	900	2	150	
BS9365 F168	BF257	TO5	NPN	160	160	5	25	—	30	40	Very High Voltage Amplifiers
BS9365 F168	BF258	TO5	NPN	250	250	5	25	—	30	40	
BS9365 F168	BF259	TO5	NPN	300	300	5	25	—	30	40	
BS9365 F184	2N4036	TO5	PNP	90	65	7	40	140	150	60	
BS9365 F184	2N4037	TO5	PNP	60	40	7	50	250	150	60	
BS9365 F185	2N4030	TO5	PNP	60	60	5	40	120	100	100	Medium Power Amplifier/Switch Specified to 1A
BS9365 F185	2N4031	TO5	PNP	80	80	5	40	120	100	100	
BS9365 F185	2N4032	TO5	PNP	60	60	5	100	300	100	150	
BS9365 F185	2N4033	TO5	PNP	80	80	5	100	300	100	150	
BS9365 F190	2N4026	TO18	PNP	60	60	5	40	120	100	100	
BS9365 F190	2N4027	TO18	PNP	80	80	5	40	120	100	100	Medium Power Amplifier/Switch Specified to 1A
BS9365 F190	2N4028	TO18	PNP	60	60	5	100	300	100	150	
BS9365 F190	2N4029	TO18	PNP	80	80	5	100	300	100	150	

Datasheet