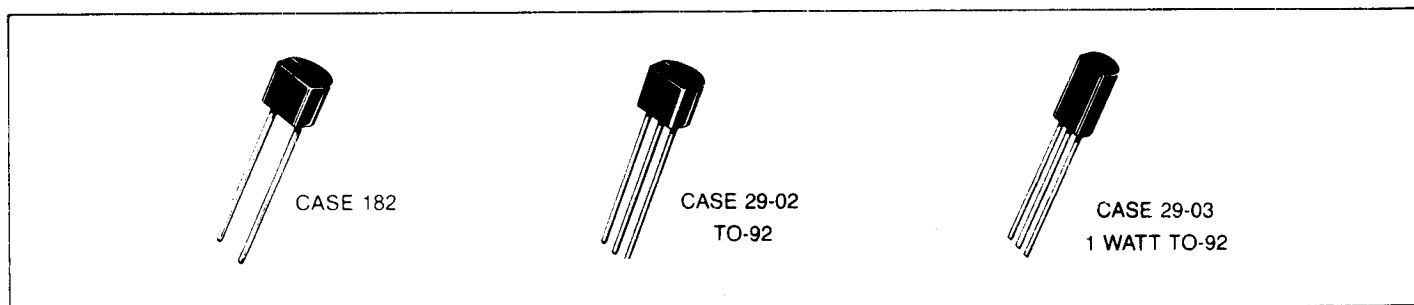


Small-Signal Transistors

Plastic-Encapsulated Small-Signal Transistors



Motorola's small-signal TO-92 plastic transistors encompass hundreds of devices with a wide variety of characteristics for general purpose, amplifier and switching applications. The popular high-volume TO-92 package combines proven reliability, performance, economy and convenience to provide the perfect solution for industrial and consumer design problems. All Motorola TO-92 devices are laser marked for ease of identification, as part of Motorola's ongoing practice of maintaining the highest standards of quality and reliability.

In addition to the standard TO-92 devices listed in the following tables, Motorola also offers special electrical selections of these devices. Please contact your Motorola Sales Representative regarding any special requirements you may have.

In each of the following tables, the major specifications of the TO-92 transistor are given for easy comparison.

Motorola TO-92 transistors are available in the radial or axial tape and reel formats. Lead forming to fit TO-5 or TO-18 sockets is also available.

General Purpose Amplifier Transistors (TO-92)

The general purpose Transistors are designed for small-signal amplification from D.C. to low radio frequencies. They are also useful as oscillators and general purpose switches.

NPN	PNP	BV _{CEO} (Volts)	P _d (mW)	I _C max. (mA) Cont.	H _{FE} (α) I _C = 2.0 mA, V _{CE} = 5 V		F _T Typ. MHz	N _F Max. (dB)	Pin Out
					Min.	Max.			
BC182*	BC212*	50	625	100	120	460	200	10	CBE
BC237	BC307	45	625	100	120	460	200	10	CBE
BC238	BC308	25	625	100	120	800	200	10	CBE
BC239	BC309	45	625	100	180	800	240	4	CBE
BC546	BC556	65	625	100	120	450	300	10	CBE
BC546A	BC556A	65	625	100	120	220	300	10	CBE
BC546B	BC556B	65	625	100	180	450	300	10	CBE
BC547	BC557	45	625	100	120	450	300	10	CBE
BC547A	BC557A	45	625	100	120	220	300	10	CBE
BC547B	BC557B	45	625	100	180	450	300	10	CBE
BC547C	BC557C	45	625	100	380	800	300	10	CBE
BC548	BC558	30	625	100	120	800	300	10	CBE
BC548A	BC558A	30	625	100	120	220	300	10	CBE
BC548B	BC558B	30	625	100	180	450	300	10	CBE
BC548C	BC558C	30	625	100	380	800	300	10	CBE
BC317	BC320	45	625	150	110	450	250	6	EBC
BC318	BC321	30	625	150	110	800	250	6	EBC
BC319	BC322	20	625	150	200	800	250	4	EBC

*These types also exist in "central collector" configuration — Add "L" suffix for ordering.