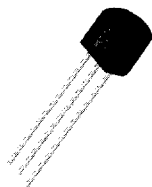
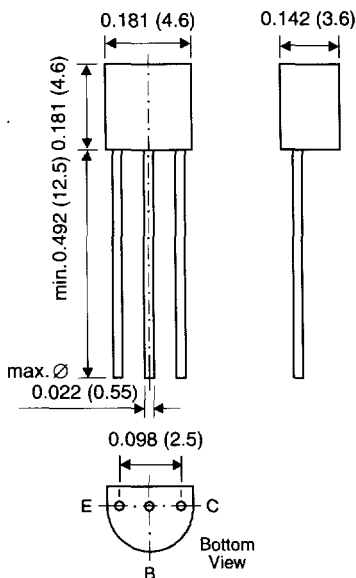


Small Signal Transistors (PNP)



TO-226AA (TO-92)



Dimensions in inches and (millimeters)

New Product

Features

- PNP Silicon Epitaxial Planar Transistors for switching and amplifier applications. Especially suitable for AF-driver stages and low power output stages such as portable radios in class-B push-pull operation.
- Complementary to GS9013

Mechanical Data

Case: TO-92 Plastic Package

Weight: approx. 0.18g

Packaging Codes/Options:

- E6/Bulk-5K per container, 20K per box
- E7/4K per Ammo mag., 20K per box

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V _{CB0}	-40	V
Collector-Emitter Voltage	V _{CE0}	-20	V
Emitter-Base Voltage	V _{EB0}	-5	V
Collector Current	I _C	-500	mA
Power Dissipation at T _{amb} = 25°C	P _{tot}	625 ⁽¹⁾	mW
Thermal Resistance Junction to Ambient Air	R _{θJA}	200 ⁽¹⁾	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _S	-55 to +150	°C

Notes:

(1) Valid provided that leads are kept at ambient temperature at a distance of 2mm from case

Small Signal Transistors (PNP)
Electrical Characteristics (TA = 25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
DC Current Gain	Current Gain Group D E F G H hFE	VCE = -1V, IC = -50mA	64	—	91	—
			78	—	112	
			96	—	135	
			112	—	166	
			144	—	202	
		VCE = -1V, IC = -500mA	40	90	—	
Collector-Emitter Breakdown Voltage	V(BR)CEO	IC = -1mA, IB = 0	-20	—	—	V
Collector-Base Breakdown Voltage	V(BR)CBO	IC = -100μA, IE = 0	-40	—	—	V
Emitter-Base Breakdown Voltage	V(BR)EBO	IE = -100μA, IC = 0	-5	—	—	V
Collector Cut-off Current	ICBO	VCE = -25V, IE = 0	—	—	-100	nA
Emitter Cut-off Current	IEBO	VEB = -3V, IC = 0	—	—	-100	nA
Collector-Emitter Saturation Voltage	VCE(sat)	IC = -500mA, IB = -50mA	—	-0.18	-0.6	V
Base-Emitter Saturation Voltage	VBE(sat)	IC = -500mA, IB = -50mA	—	-0.95	-1.2	V
Base-Emitter ON Voltage	VBE(on)	VCE = -1V, IC = -10mA	-0.6	-0.67	-0.7	V