

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

S9018

Features

Rank

Range

54-80

72-108

- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.31Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 0.05A
- Collector-base Voltage 25V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking Code: S9018

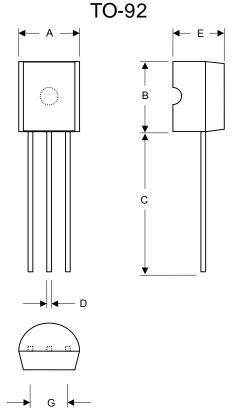


Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARAC	CTERISTICS			
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (b=100uAdc, l=0)	25		Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (L=0.1mAdc, L=0)	18		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (ξ =100uAdc, ξ =0)	4.0		Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =20Vdc, ξ =0)		0.1	uAdc
I _{CEO}	Collector Cutoff Current (V _{CE} =15Vdc, $_{B}$ =0)		0.1	uAdc
l _{EBO}	Emitter Cutoff Current (V _{EB} =3.0Vdc, ξ =0)		0.1	uAdc
ON CHARAC	TERISTICS			
h _{FE}	DC Current Gain (b=1.0mAdc, Vce=5.0Vdc)	28	270	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (L=10mAdc, L=1.0mAdc)		0.5	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage (L=10mAdc, L=1.0mAdc)		1.4	Vdc
SMALL-SIGI	NAL CHARACTERISTICS			
f _⊤	Transistor Frequency (L=5.0mAdc, V _{CE} =5.0Vdc, f=400MHz)	=5.0mAdc, V _{CE} =5.0Vdc,		MHz
CLASSIFICA	ATION OF Hre (1)			

97-146

NPN Silicon Transistors



DIMENSIONS								
	INCI	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE			
Α	.175	.185	4.45	4.70				
В	.175	.185	4.46	4.70				
С	.500		12.7					
D	.016	.020	0.41	0.63				
Е	.135	.145	3.43	3.68				
G	.095	.105	2.42	2.67				

180-270

132-198