Micro Commercial Components

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MJE2955

PNP Silicon Plastic-Encapsulate Transistor

Features

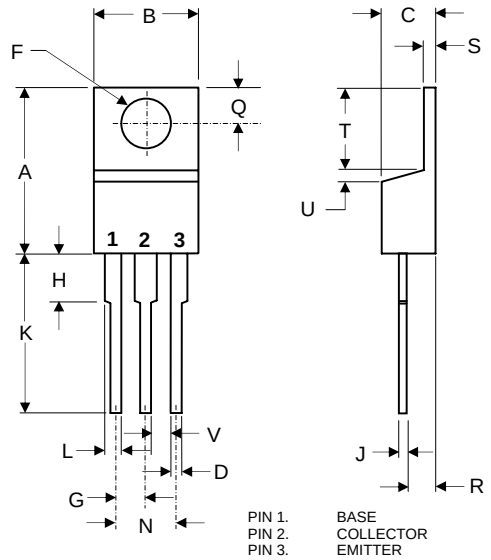
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Capable of 2.0Watts of Power Dissipation.
- Collector-current 10A
- Collector-base Voltage 70V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25ºC Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I_C=-200mAdc, I_B=0)	-60		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I_C=-10mAdc, I_E=0)	-70		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I_E=-10mAdc, I_C=0)	-5		Vdc
I_{CBO}	Collector Cutoff Current (V_{CB}=-70Vdc, I_E=0)		-1000	uAdc
I_{EBO}	Emitter Cutoff Current (V_{EB}=-5.0Vdc, I_C=0)		-5000	uAdc
ON CHARACTERISTICS				
$h_{FE(1)}$	DC Current Gain (I_C= - 4.0Adc, V_{CE}=-4.0Vdc)	20	100	
$h_{FE(2)}$	DC Current Gain (I_C= -10Adc, V_{CE}=-4Vdc)	5.0		
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I_C= - 4Adc, I_B= - 0.4Adc) (I_C= -10Adc, I_B=-3.3Adc)		-1.1 -8.0	Vdc Vdc
V_{BE}	Base-Emitter Voltage (I_C=-4Adc,V_{CE}=-4V		-1.8	Vdc
SMALL-SIGNAL CHARACTERISTICS				
f_T	Transistor Frequency (I_C=- 0.5Adc, V_{CE}=-10Vdc, f=1.0MHz)	2.0		MHz

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

TO-220



DIM	INCHES MIN	INCHES MAX	MM MIN	MM MAX	NOTE
A	.560	.625	14.22	15.88	
B	.380	.420	9.65	10.67	
C	.140	.190	3.56	4.82	
D	.020	.045	0.51	1.14	
F	.139	.161	3.53	4.09	Ø
G	.190	.110	2.29	2.79	
H	---	.250	---	6.35	
J	.012	.025	0.30	0.64	
K	.500	.580	12.70	14.73	
L	.045	.060	1.14	1.52	
N	.190	.210	4.83	5.33	
Q	.100	.135	2.54	3.43	
R	.080	.115	2.04	2.92	
S	.045	.055	1.14	1.39	
T	.230	.270	5.84	6.86	
U	-----	.050	-----	1.27	
V	.045	-----	1.15	-----	

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Ordering Information :

Device	Packing
Part Number-BP	Bulk: 5Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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