



Micro Commercial Components



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MJE2955

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
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -200mA$, $I_B = 0$)	-60		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C = -10mA$, $I_E = 0$)	-70		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E = 10mA$, $I_C = 0$)	-5		Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB} = -70Vdc$, $I_E = 0$)		-1000	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB} = -5.0Vdc$, $I_C = 0$)		-5000	μA

ON CHARACTERISTICS

$h_{FE(1)}$	DC Current Gain ($I_C = -4.0A$, $V_{CE} = -4.0Vdc$)	20	100	
$h_{FE(2)}$	DC Current Gain ($I_C = -10A$, $V_{CE} = -4Vdc$)	5.0		
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -4A$, $I_B = -0.4A$) ($I_C = -10A$, $I_B = -3.3A$)		-1.1 -8.0	Vdc Vdc
V_{BE}	Base-Emitter Voltage ($I_C = -4A$, $V_{CE} = -4V$)		-1.8	Vdc

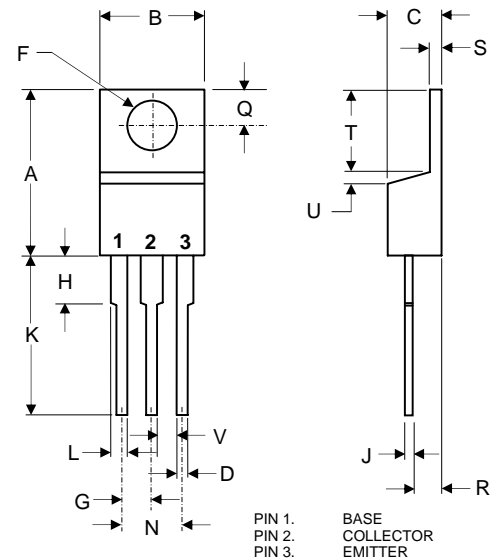
SMALL-SIGNAL CHARACTERISTICS

f_T	Transistor Frequency ($I_C = -0.5A$, $V_{CE} = -10Vdc$, $f = 1.0MHz$)	2.0		MHz
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Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

PNP Silicon Plastic-Encapsulate Transistor

TO-220



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
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	∅
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	-----	



TM

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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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