

Micro Commercial Components

RoHS COMPLIAN

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3DA4793

Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1 •
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- Collector Power Dissipation Pcm:2W(Ta=25°C);20W(Tc=25°C) Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates . RoHS Compliant. See ordering information) Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

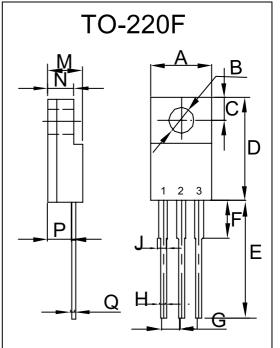
Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	230	V
V _{CBO}	Collector-Base Voltage	230	V
V _{EBO}	Emitter-Base Voltage	5.0	V
lc	Collector Current	1.0	А
Pc	Collector power dissipation $T_A=25^{\circ}C$	1.5	W
TJ	Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Units
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _c =0.1mAdc, I _E =0)	230			Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =1mAdc, I _B =0)	230			Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =100uAdc, I _C =0)	5.0			Vdc
Сво	Collector-Base Cutoff Current (V _{CB} =230Vdc,l _E =0)			10	uAdc
ЕВО	Emitter-Base Cutoff Current (V _{EB} =5.0Vdc, I _C =0)			10	uAdc
h _{FE}	Forward Current Transfer ratio (I _c =100Adc, V _{ce} =5.0Vdc)	100		320	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I _c =500mAdc, I _B =50mAdc)			1.5	Vdc
f _T	Transition Frequency (V _{CE} =10Vdc, I _C =100mAdc)	30			MHz

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

NPN Silicon Power Transistors



PIN 1. PIN 2. PIN 3. BASE COLLECTOR EMITTER

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
А	.392	.408	9.96	10.36	
В	.1	38	3.	50	Φ
С	.1	06	2.	70	
D	.583	.598	14.80	15.20	
Е	.520		13.20		
F	.142	.158	3.60	4.00	
G	.100		2.54		
Н	.020	.030	0.50	0.75	
J	.043	.053	1.10	1.35	
М	.169	.185	4.30	4.70	
Ν	.110	.126	2.80	3.20	
Р	.098	.114	2.50	2.90	
Q	.020	.030	0.50	0.75	

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Ordering Information :

Device	Packing
Part Number-BP	Bulk;5Kpcs/Box

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

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