



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- Halogen free available upon request by adding suffix "-HF"
- Power Dissipation: P_{CM}=0.75W @ T_{amb}=25℃
- Collector Current: I_{CM}=5A
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking: ID965T/R
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	22	V
V_{CBO}	Collector-Base Voltage	42	V
V_{EBO}	Emitter-Base Voltage	6.0	V
Ic	Collector Current, Continuous	5	Α
P_{D}	Total Device Dissipation	750	mW
T_J	Operating Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

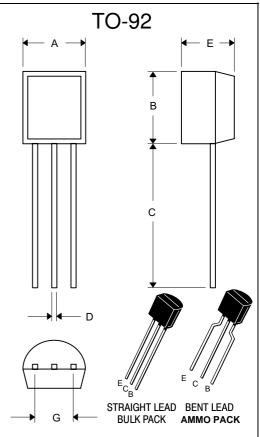
Electrical Characteristics @ 25°C Unless Otherwise Specified

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Symbol	Parameter	Min	Max	Units
OFF CHARA	ACTERISTICS			
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage* (I _C =10mAdc, I _B =0)	22		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _C =100µAdc, I _E =0)	42		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =100µAdc, I _C =0)	6.0		Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =20Vdc, I _E =0)		100	nAdc
I _{EBO}	Base Cutoff Current (V _{EB} =3.0Vdc, I _C =0)		100	nAdc
H _{FE}	DC Current Gain (V _{CE} =2V, I _C =0.15mA) (V _{CE} =2V, I _C =500mA)	150 340	 950	
	(V _{CE} =2V, I _C =2000mA)	150		
V _{CE(sat)}	Collector-emitter Saturation Voltage (I _C =3000mA, I _B =100mA)		0.35	V

Classification of Hff @ (Vef=2V, Ic=500mA)

Rank	R	Т
Range	340-600	560-950

NPN Plastic-Encapsulate Transistors



DIMENSIONS					
	INCHI	ΞS	ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.175	.185	4.45	4.70	
В	.175	.185	4.45	4.70	
С	.500		12.70		
D	.016	.020	0.41	0.63	
Е	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
G	.173	.220	4.40	5.60	Bent Lead

^{*} For ammo packing detailed specification, click here to visit our website of product packaging for details.



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Ordering Information:

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100 Kpcs/Carton

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

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