

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 BC636-10 BC636-16 BC638 BC640

Features

- Halogen free available upon request by adding suffix "-HF"
- Through Hole Package
- Capable of 830mWatts of Power Dissipation
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

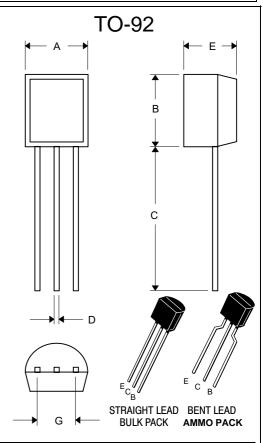
Maximum Ratings

Symbol	Rating		Value	Unit
	Collector-Emitter Voltage	BC636	-45	V
V_{CEO}		BC638	-60	V
		BC640	-100	V
V_{CBO}	Collector-Base Voltage	BC636	-45	V
		BC638	-60	V
		BC640	-80	V
V_{EBO}	Emitter-Base Voltage		-5.0	V
Ic	Collector Current		-1.0	Α
I _B	Base Current		-100	mA
T_J	Junction Temperature		-65 to +150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature		-65 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Unit
OFF CHARACTERISTICS					
V	Collector-Emitter Breakdown Voltage				
	$(I_C=-1 \text{mAdc}, I_B=0)$ BC636	-45			Vdc
$V_{(BR)CEO}$	BC638	-60			Vdc
	BC640	-80			Vdc
I _{CBO}	Collector Cutoff Current				
	$(V_{CB}=-30Vdc, I_{E}=0)$			-0.1	μ Adc
I _{EBO}	Emitter Cutoff Current				
	(V _{EB} =-5.0Vdc, I _C =0)			-0.1	μ Adc
h _{FE(1)}	DC Current Gain				
	(V _{CE} =-2Vdc, I _C =-5mAdc)	40			
	DC Current Gain				
h _{FE(2)}	(V _{CE} =-2Vdc, I _C =-150mAdc) BC636-10	63		160	
	BC636-16,BC638,BC640	100		250	
h _{FE(3)}	DC Current Gain				
	(V _{CE} =-2Vdc, I _C =-500mAdc)	25			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage				
	(I _C =-500mAdc,I _B =-50mAdc)			-0.5	Vdc
$V_{BE(on)}$	Base-Emitter Voltage				
	$(I_C=-500 \text{mAdc}, V_{CE}=-2 \text{Vdc})$			-1.0	Vdc
f⊤	Transition Frequency	100			
	$(V_{CE}=-5.0Vdc, I_{C}=-50mAdc, f=100MHz)$				MHz

PNP Epitaxial Silicon Transistors



DIMENSIONS					
	INCHI	ES	MM		
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.



Ordering Information :

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

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

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