

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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2SC945-Y 2SC945-GR

Features

- Capable of 0.4Watts of Power Dissipation.
- Collector-current 0.15A
- Collector-base Voltage 60V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARA	OFF CHARACTERISTICS				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =0.1mAdc, I _B =0)	50		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =1000µAdc, I _E =0)	60		Vdc	
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I $_{\rm E}$ =100 μ Adc, I $_{\rm C}$ =0)	5.0		Vdc	
I _{CBO}	Collector Cutoff Current (V _{CB} =60Vdc, ½=0Adc)		0.1	μAdc	
CER	Collector Cutoff Current (V _{CE} =55Vdc,R=10M OHM)		0.1	μAdc	
l _{EBO}	Emitter Cutoff Current (V EB=5.0Vdc, \(\begin{cases} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		0.1	μAdc	

ON CHARACTERISTICS

h _{FE(1)}	DC Current Gain			
	(b=1.0mAdc, Vce=6.0Vdc)	120	400	
h _{FE(2)}	DC Current Gain			
. ,	(I _C =0.1mAdc, V _{CE} =6.0Vdc)	40		
V _{CE(sat)}	Collector-Emitter Saturation Voltage			
	(I _C =100mAdc, I _B =10mAdc)		0.3	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage			
	(I _C =100mAdc, I _B =10mAdc)		1.0	Vdc
V _{BE}	Base-Emitter Voltage			
	(I _E =310mAdc)		1.4	Vdc

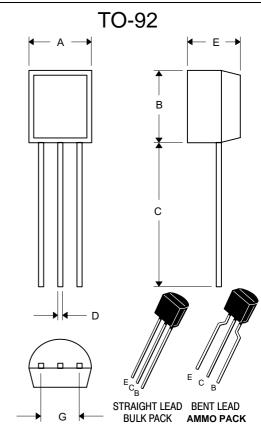
SMALL-SIGNAL CHARACTERISTICS

f _T	Transistor Frequency		
	($\c = 10$ mAdc, $\c V_{CE} = 6.0$ Vdc, f=30MHz)	150	MHz

CLASSIFICATION OF HEED

Rank	Υ	GR
Range	120-240	200-400

NPN Silicon Plastic-Encapsulate Transistor



DIMENSIONS					
	INCHI	ΞS	MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.175	.185	4.45	4.70	
В	.175	.185	4.45	4.70	
C	.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: 100Kpcs/Carton

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

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