

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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2SC2235-Y

Features

- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)

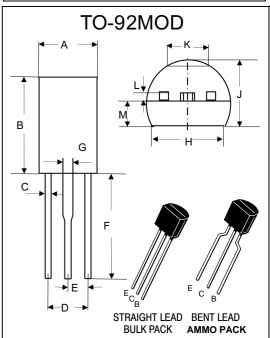
Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	120	V
V_{CBO}	Collector-Base Voltage	120	V
V_{EBO}	Emitter-Base Voltage	5.0	V
I _C	Collector Current, Continuous	0.8	Α
P_{D}	Total Device Dissipation	0.9	W
T _J	Operating Junction Temperature	-55 to +150	$^{\circ}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =10mAdc, I _B =0)	120		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage $(I_C=1 \text{mAdc}, I_E=0)$	120		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =1mAdc, I _C =0)	5.0		Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =120Vdc, I _E =0)		100	nAdc
I _{EBO}	Base Cutoff Current (V _{EB} =5.0Vdc, I _C =0)		100	nAdc
H _{FE}	DC Current Gain (V _{CE} =5V, I _C =100mA)	120	240	
$V_{\text{CE(sat)}}$	Collector-emitter Saturation Voltage (I _C =5000mA, I _B =50mA)		1.0	V
V_{BE}	Base-emitter voltage (I _C =500mA,V _{CE} =5V)		1.0	V
f⊤	Transition frequency (I _C =100mA,V _{CE} =5V)	120(TYP)		MHz
C_{ob}	Collector output capacitance (I _E =0,V _{CB} =10V,f=1MHz) 30		pF	

NPN Plastic-Encapsulate Transistors



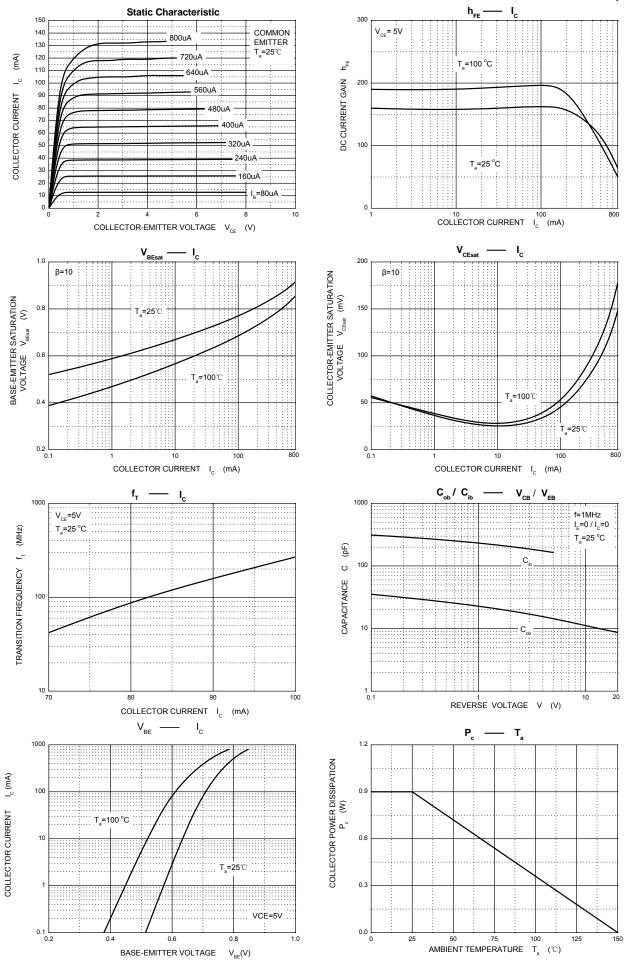
DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.228	.244	5.80	6.20	
В	.331	.346	8.40	8.80	
С	.016	.024	0.40	0.60	
D	.114	.122	2.90	3.10	Straight Lead
	.173	.220	4.40	5.60	Bent Lead
Е	.0	59	1	.50	Straight Lead
	.086	.110	2.20	2.80	Bent Lead
F	.543	.559	13.80	14.20	
G	.035	.043	0.90	1.10	
Н	.157		4.00		
J	.185	.201	4.70	5.10	
K		.063		1.60	
Ĺ	.016	.020	0.40	0.50	
M	.068	.080	1.73	2.03	

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



Typical Characteristics

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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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