



Micro Commercial Components



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2SC2236-Y

NPN Plastic-Encapsulate Transistor

Features

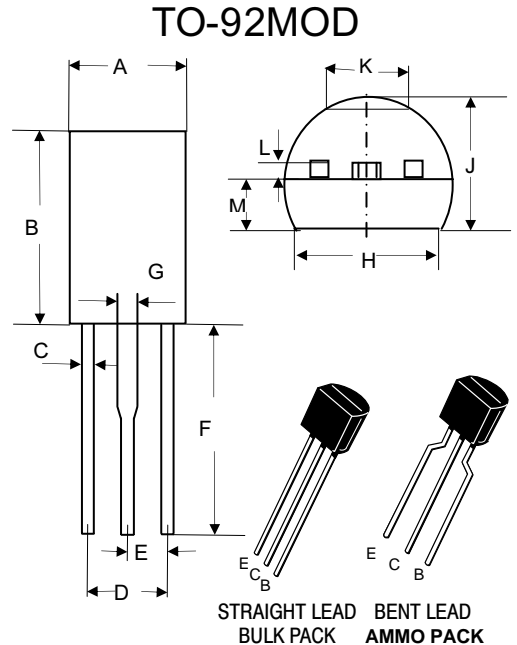
- Lead Free Finish/Rohs Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Complementary to 2SA966 and 3 Watts output Applications.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CB0}	Collector-Base Voltage	30	V
V _{CEO}	Collector-Emitter Voltage	30	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current -Continuous	1.5	A
P _C	Collector Power Dissipation	0.9	W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

Electrical Characteristics @ 25 °C Unless Otherwise Specified

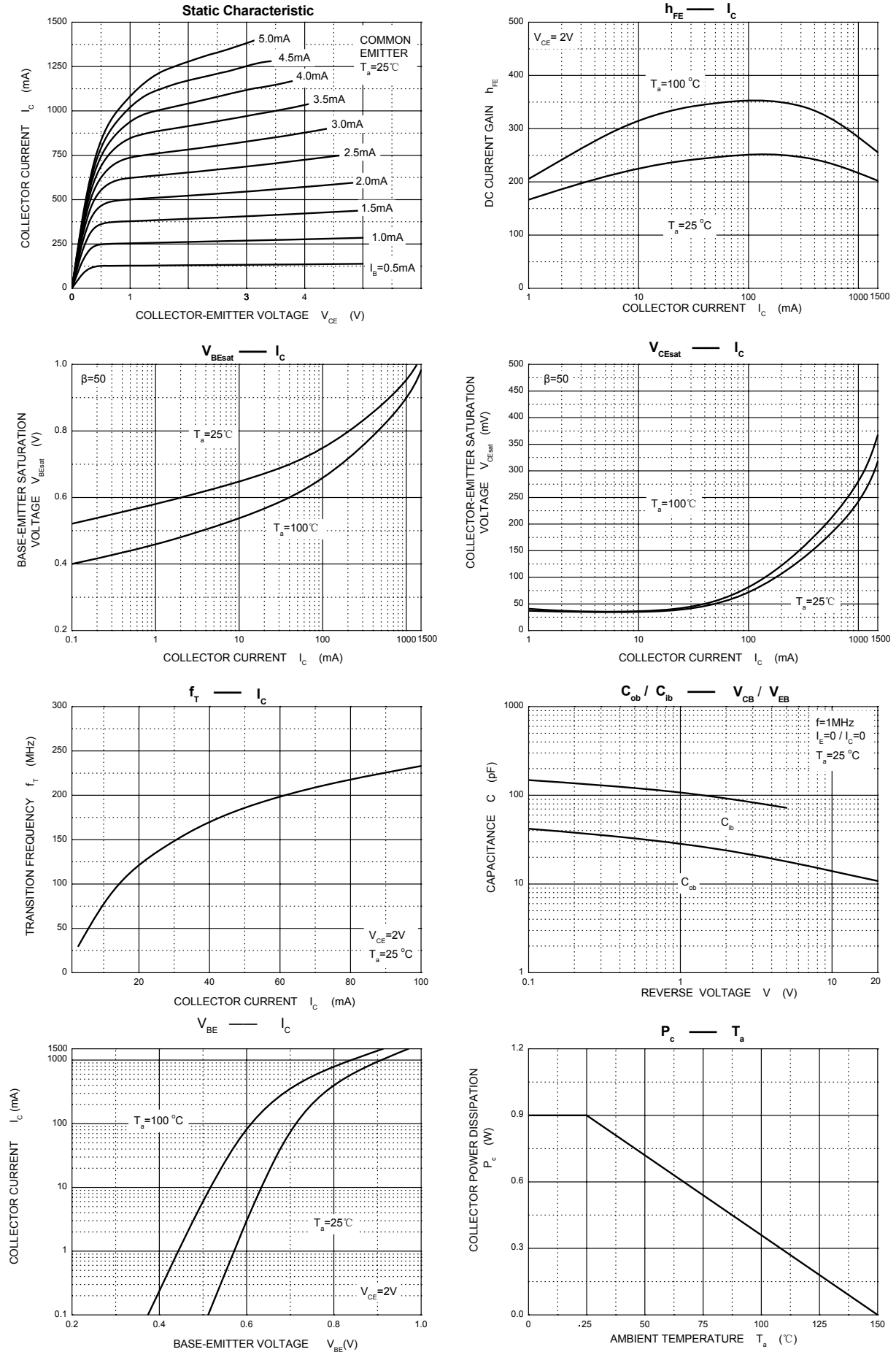
Symbol	Parameter	Min	Max	Units
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =10mA, I _B =0)	30	---	Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =1mA, I _E =0)	30	---	Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =1mA, I _C =0)	5.0	---	Vdc
I _{CB0}	Collector Cutoff Current (V _{CB} =30Vdc, I _E =0)	---	0.1	µA
I _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, I _C =0)	---	0.1	µA
h _{FE}	DC Current Gain (I _C =500mA, V _{CE} =2.0Vdc)	160	320	---
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =1500mA, I _B =30mA)	---	2.0	Vdc
V _{BE}	Base-Emitter Saturation Voltage (I _C =500mA, V _{CE} =2.0Vdc)	---	1	Vdc
C _{ob}	Collector output Capacitance (V _{CB} =10Vdc, I _E =0, f=1MHz)	---	30	pF
f _T	Transistor Frequency (I _C =500mA, V _{CE} =2.0Vdc)	120(typ)		MHz



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.228	.244	5.80	6.20	
B	.331	.346	8.40	8.80	
C	.016	.024	0.40	0.60	
D	.114	.122	2.90	3.10	Straight Lead
	.173	.220	4.40	5.60	Bent Lead
E	.059		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	
H	.157	---	4.00	---	
J	.185	.201	4.70	5.10	
K	---	.063	---	1.60	
L	.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: 50Kpcs/Carton

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

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