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MPSA06

Features

- Halogen free available upon request by adding suffix "-HF"
- NPN Silicon Epitaxial Planar Transistor for switching and amplifier applications
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- As complementary type, the PNP transistor is MPSA56
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Mechanical Data

- Marking:MPSA06
- Weight: 0.18 grams (Approx.)

Maximum Ratings @ 25°C Unless Otherwise Specified

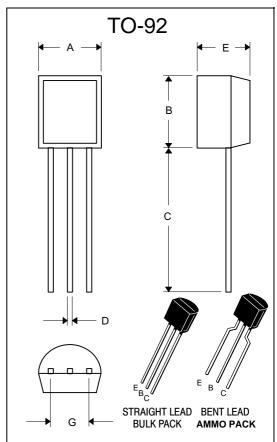
Characteristic	Symbol	Value	Unit
Collect to Base Voltage	V_{CBO}	80	٧
Collect to Emitter Voltage	Vceo	80	٧
Emitter to Base Voltage	V_{EBO}	4.0	V
Collect Current	lc	500	mA
Total Power Dissipation @ T _A =25°C	P_{tot}	625	mW
Total Power Dissipation @ Tc=25°C	Ptot	1.5	W
Thermal Resistance Junction to Ambient	$R_{ hetaJA}$	200	°C/W
Junction Temperature	Tj	150	°C
Storage Temperature	T_{STG}	-55 to 150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Charateristic	Symbol	Min	Max	Unit	Test Cond.	
Collector Cut-off Current	I _{CBO}		100	nA	V _{CB} =80V, I _E =0	
Collector to Emitter Saturatuion Voltage	V _{CE(sat)}		0.25	V	I _C =100mA, I _B =10mA	
DC Current Gain	h _{FE}	100 100			V _{CE} =1V, I _C =10mA V _{CE} =1V, I _C =100mA	
Gain Bandwidth Product	f _T	100		MHz	V _{CE} =2V, I _C =20mA, f=100MHz	
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	80		٧	I _C =1mA, I _B =0	
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	4		٧	I _E =100 uA, I _C =0	
Base-Emitter ON Voltage	V _{BE(ON)}		1.2	V	I _C =10mA, I _B =1mA	

Note: Valid provided that leads are kept at ambient temperature.

NPN Small Signal Transistor 625 mW



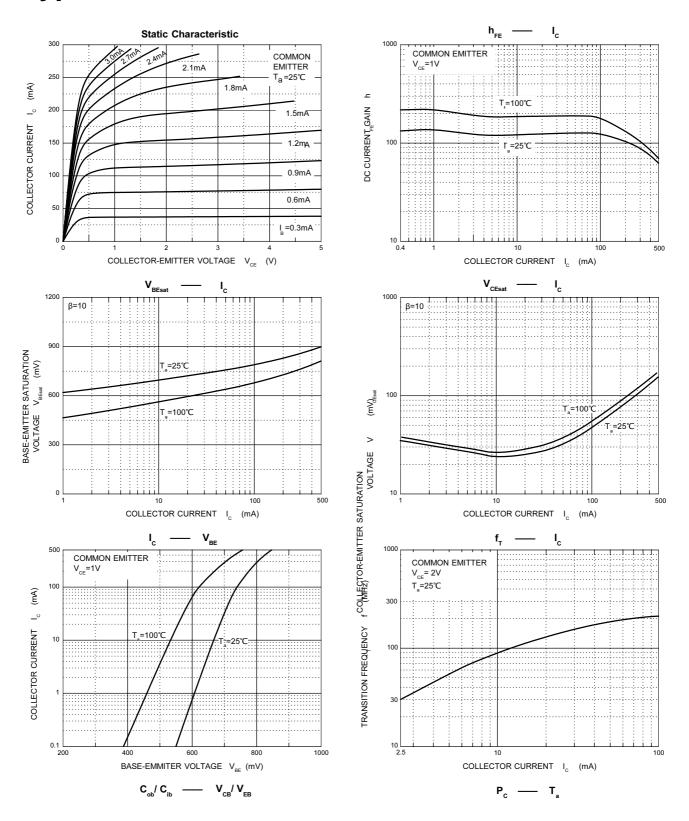
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.175	.185	4.45	4.70	
В	.175	.185	4.45	4.70	
С	.500		12.70		
D	.016	.020	0.41	0.63	
Е	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
G	.173	.220	4.40	5.60	Bent Lead
* For any and the detailed and Westing all the sector date and the size					

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



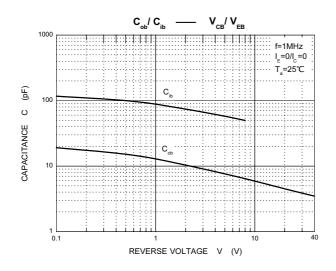
Typical Characterisitics

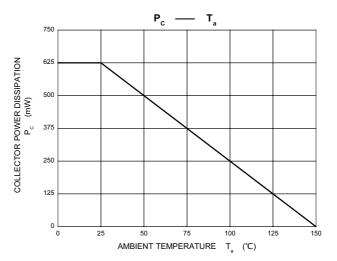
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Typical Characterisitics







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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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AMEYA360 Components Supply Platform

Authorized Distribution Brand:

























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