



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 2SA1162-O 2SA1162-Y 2SA1162-GR

Features

- Capable of 0.15Watts of Power Dissipation.
- Collector-current: 0.15A
- Collector-base Voltage: -50V
- 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)

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHAR	OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =-1mAdc, I _B =0)	-50		Vdc	
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _c =-100uAdc, I _E =0)	-50		Vdc	
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =-100uAdc, I _C =0)	-5		Vdc	
I _{CBO}	Collector Cutoff Current (V _{CB} =-50Vdc, I _E =0)		-0.1	uAdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =-5.0Vdc, I _C =0)		-0.1	uAdc	

ON CHARACTERISTICS

h _{FE}	DC Current Gain (I _C =-2.0mAdc, V _{CF} =-6.0Vdc)	70	400	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (Ic=-100mAdc, I _R =-10mAdc)		-0.3	Vdc

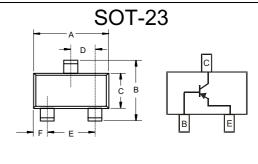
SMALL-SIGNAL CHARACTERISTICS

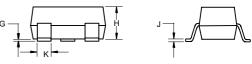
f⊤	Transistor Frequency	80		MHz
	$(I_C=-1.0 \text{mAdc}, V_{CE}=-10 \text{Vdcz})$			
Cob	Collector Output Capacitance (V _{CB} =-10Vdc, I _E =0, f=1MHz)		7	pF
NF	Noise Figure		10	dB
	$(V_{CE}=-6Vdc, I_{C}=0.1mA, f=1KHz, R_{q}=10K \Omega)$			

CLASSIFICATION OF HEE(1)

Rank	0	Υ	GR
Range	70-140	120-240	200-400
Marking	SO	SY	SG

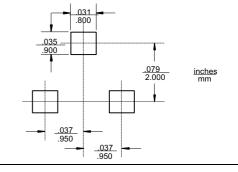
PNP Silicon Plastic-Encapsulate Transistor





DIMENSIONS					
	INCHE	INCHES MM			
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.098	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
Е	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
Н	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout





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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel 3Kpcs/Reel

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