

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 (818) 701-4939 Fax:

2SA1037-Q 2SA1037-R 2SA1037-S

Features

- Small Package
- Mounting: any position
- 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"

Maximum Ratings @ T₂ = 25℃(unless otherwise noted)

Symbol	Parameter	Value	Unit
Ic	Collector Current	-0.15	А
P_D	Total Device Dissipation	0.2	W
TJ	Junction Temperature	150	$^{\circ}\!\mathbb{C}$
T _{STG}	Storage Temperature Range	-55 to +150	$^{\circ}\!\mathbb{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARA	OFF CHARACTERISTICS			
V(BR)CEO	O Collector-Emitter Breakdown Voltage (I _C =-1mAdc,I _B =0) -50		V	
V(BR)CBO	R)CBO Collector-Base Breakdown Voltage (I _C =-50uAdc,I _E =0) -60			V
V(BR)EBO	Collector-Base Breakdown Voltage (I _E =-50uAdc,I _C =0)	-6.0		V
І _{сво}	Collector-Base Cutoff Current (V _{CB} =-60Vdc, I _E =0)		-0.1	μAdc
I _{EBO}	I _{EBO} Emitter-Base Cutoff Current (V _{EB} =-6.0Vdc, I _C =0)		-0.1	uAdc

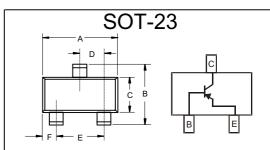
ON CHARACTERISTICS

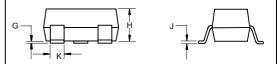
HFE	DC Current Gain (I _C =-1.0mAdc, V _{CE} =-6.0Vdc)	120	560	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-5.0mAdc, I _B =-5.0mAdc)		-0.5	Vdc
F_{T}	Transition Frequency (VCE=-12Vdc,IC=-2mAdc,f=30MHZ)	120		MHZ

CLASSIFICATION OF hee

Rank	Q	R	S
Range	120-270	180-390	270-560
Marking	FQ	FR	FS

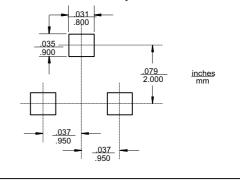
PNP Silicon Epitaxial Transistors





DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.104	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	
Ι	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout





Ordering Information :

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

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

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Revision: B