

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

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

PNP Silicon

Epitaxial Transistors

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 R	Maximum Ratings @ $T_a = 25$ C (unless otherwise noted)						
Symbol	Parameter	Value	Unit				
Ι _c	Collector Current	-0.15	А				
PD	Total Device Dissipation	0.2	W				
TJ	Junction Temperature	150	°C				
T _{STG}	Storage Temperature Range	-55 to +150	°C				

Electrical Characteristics @ 25°C Unless Otherwise Specified

120-270

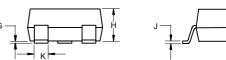
FQ

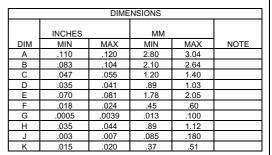
Symbol	Parameter		Min	Max	Units	
OFF CHARACTERISTICS						
V(BR)CEO	Collector-Emitter Breakdo (I _C =-1mAdc,I _B =0)	wn Voltage	-50		V	
V(BR)CBO	Collector-Base Breakdow (I _C =-50µAdc,I _E =0)	n Voltage	-60		V	
V(br)EBO	Collector-Base Breakdow (I _E =-50µAdc,I _C =0)	n Voltage	-6.0		V	
I _{CBO}	Collector-Base Cutoff Cur (V _{CB} =-60Vdc, I _E =0)	rent		-0.1	µAdc	
I _{EBO}	Emitter-Base Cutoff Curre (V _{EB} =-6.0Vdc, I _C =0)	ent		-0.1	µAdc	
ON CHARACTERISTICS						
HFE	DC Current Gain (I _c =-1.0mAdc, V _{ce} =-6.0Vc	lc)	120	560		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _c =-5.0mAdc, I _B =-5.0mAdc)			-0.5	Vdc	
FT	Transition Frequency (VcE=-12Vdc,Ic=-2mAdc,f=30MHZ)		120		MHZ	
CLASSIFIC	ATION OF h fe					
Rank	Q	R S				

180-390

FR

SOT-23				





Suggested Solder Pad Layout .031 .800 <u>.079</u> 2.000 inches mm <u>.037</u> .950 <u>.037</u> .950

www.mccsemi.com

Range

Marking

270-560

FS



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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