



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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2SA1577-P 2SA1577-Q 2SA1577-R

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Ideally Suited for Automatic Insertion
- Untral Small Surface Mount Package
- Pb-Free Package are Vailable
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

PNP Gneral Purpose Transistors

Maximum Ratings @ T_a = 25°C(unless otherwise noted) Value Unit Symbol **Parameter** Collector Current -0.5 Α I_{C} P_D **Total Device Dissipation** 0.2 W 150 °C $T_{\rm d}$ Junction Temperature -55 to +150 Storage Temperature Range $^{\circ}$ C $\mathsf{T}_{\mathsf{STG}}$

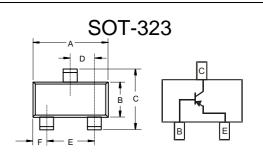
Electrical Characteristics @ 25°C Unless Otherwise Specified

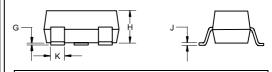
(VCB=-10Vdc,IE=0,f=1MHZ)

Symbol	Parameter	WIIN	wax	Unit		
OFF CHARACTERISTICS						
V(BR)CEO	Collector-Emitter Breakdown Voltage (I _C =-1mAdc,I _B =0)		V			
V(BR)CBO	Collector-Base Breakdown Voltage (I _C =-100uAdc,I _E =0)	-40	-40			
V(BR)EBO	Collector-Base Breakdown Voltage (I _E =-100uAdc,I _C =0)	-5.0		V		
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =-20Vdc, I _E =0)		-1	μAdc		
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =4.0Vdc, I _C =0)		-1	uAdc		
ON CHARACTERISTICS						
hfe	DC Current Gain (I _C =-10mAdc, V _{CE} =-3.0Vdc)	82	390			
$V_{\text{CE(sat)}}$	Collector-Emitter Saturation Voltage (I _C =-0.1Adc, I _B =-0.01Adc)		-0.4	Vdc		
f⊤	Transition Frequency (VCE=-5Vdc,IC=-20mAdc,f=100MHZ)		200(typ)	MHZ		
Cob	Collector Output Capacitance		7(typ)	PF		

CLASSIFICATION OF he

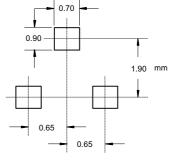
Rank	Р	Q	R
Range	82-180	120-270	180-390
Marking	HP	HQ	HR





DIMENSIONS						
	INC	HES	MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.071	.087	1.80	2.20		
В	.045	.053	1.15	1.35		
С	.079	.087	2.00	2.20		
D	.026 No	ominal	0.65Nominal			
Е	.047	.055	1.20	1.40		
F	.012	.016	.30	.40		
G	.000	.004	.000	.100		
Ι	.035	.039	.90	1.00		
J	.004	.010	.100	.250		
K	.012	.016	.30	.40		

Suggested Solder Pad Layout





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Ordering Information:

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

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