

Micro Commercial Components



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

Features

- Halogen free available upon request by adding suffix "-HF"
- Large I_{C.} ICMax.= -0.5 A
- Low V_{CE(sat)}. Ideal for low-voltage operation.
- 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)

Maximum Ratings @ $T_a = 25 $ (unless otherwise noted)			
Symbol	Parameter Value		Unit
Ι _c	Collector Current	-0.5	А
P _D	Collector Power Dissipation	0.2	W
T _J Junc	tion Temperature	150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

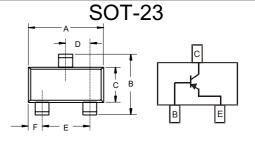
Symbol	Parameter	Min	TYPE	Max	Units
OFF CHAR	OFF CHARACTERISTICS				
V(BR)CEO	Collector-Emitter Breakdown Voltage (I _C =-1mAdc,I _B =0)	-32			V
V(br)CBO	Collector-Base Breakdown Voltage (I _c =-100uAdc,I _E =0)	-40			V
V(br)EBO	Collector-Base Breakdown Voltage (I _E =-100uAdc,I _C =0)	-5.0			V
I _{CBO}	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 CHARA	CTERISTICS				
HFE	DC Current Gain (I _c =-10mAdc, V _{CE} =-3.0Vdc)	82		390	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _c =-100mAdc, I _B =-10mAdc)			-0.4	Vdc
F _T	Transition Frequency (VcE=-5Vdc,Ic=-20mAdc,f=100MHZ)		200		MHZ
C _{ob}	(VCB=-10Vdc,IE=0,f=1MHZ)		7		pF

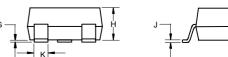
CLASSIFICATION OF here

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

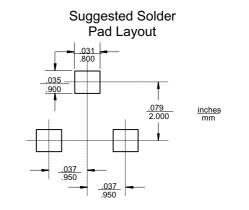
2SA1036-P 2SA1036-Q 2SA1036-R







	DIMENSIONS				
	INCHE	INCHES		ММ	
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	
E	.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	

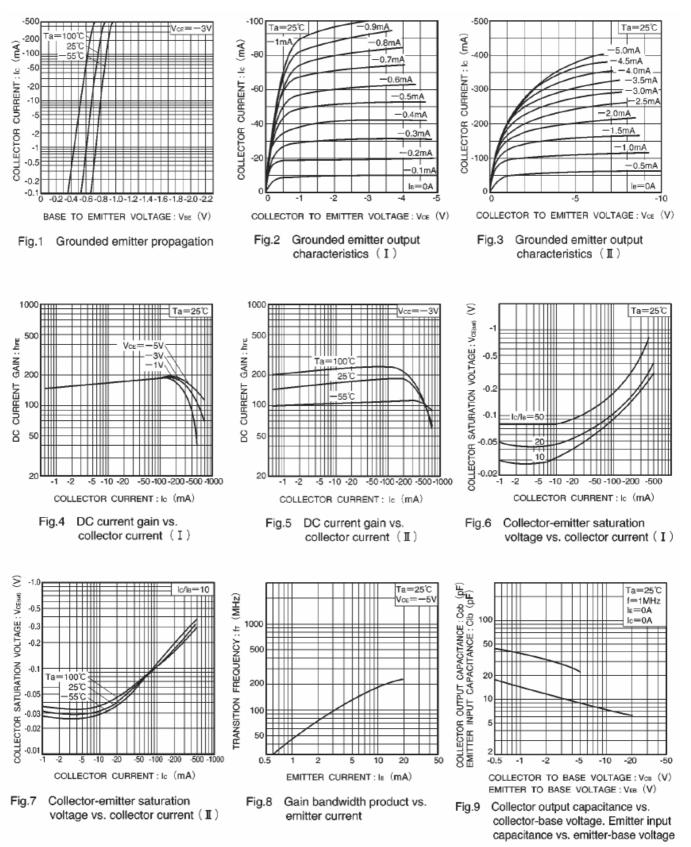


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2SA1036 Typical Characteristics



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Ordering Information :

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

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

*****IMPORTANT NOTICE*****

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