



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 2SA1201-O 2SA1201-Y

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Power amplifier applications
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-120	V
V_{CBO}	Collector-Base Voltage	-120	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
Ic	Collector Current	-800	mA
I _B	Base Current	-160	mA
Pc	Collector power dissipation	500	W
		1000(Note 1)	
TJ	Junction Temperature	150	$^{\circ}\mathbb{C}$
T _{STG}	Storage Temperature	-55 to +150	$^{\circ}\mathbb{C}$

Note 1: Mounted on ceramic substrate (250mm² x 0.8t)

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур.	Max	Units
OFF CHARACTERISTICS					
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage* (I _C =-10mAdc, I _B =0)	-120			Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage* (I _E =-1mAdc, I _C =0)	-5			Vdc
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =-120Vdc,I _E =0)			-0.1	uAdc
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =-5.0Vdc, I _C =0)			-0.1	uAdc

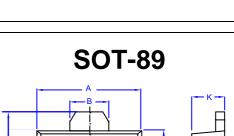
ON CHARACTERISTICS

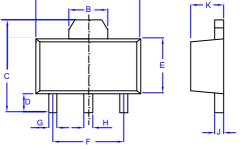
h _{FE}	Forward Current Transfer ratio	80		240	
	(I _C =-0.1Adc, V _{CE} =-5.0Vdc) (Note 2)				
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	1.0 Vdd		Vdc	
, ,	$(I_C=-0.5Adc, I_B=-50mAdc)$				
V_{BE}	Base-Emitter Voltage			-1.0	Vdc
	$(I_C=-0.5Adc, V_{CE}=-5.0Vdc)$				
f⊤	Transition Frequency		120		MHz
	$(I_C=-0.1Adc, V_{CE}=-5.0Vdc)$				
C _{ob}	Collector Output Capacitance			30	pF
	(V _{CB} =-10V, I _E =0, f=1MHz)				

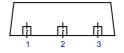
CLASSIFICATION OF HEE (1)

Rank	0	Υ
Range	80-160	120-240
Marking	DO	DY

PNP Silicon Power Transistors







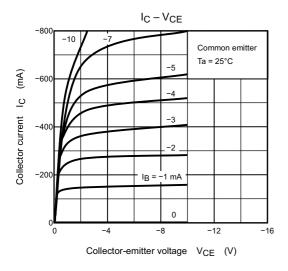
1.BASE 2.COLLECTOR 3.EMITTER

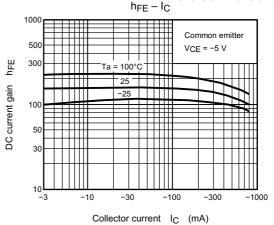
DIMENSINS					
DIM	INC	INCHES		MM	
	MIN	MAX	MIN	MAX	
Α	.173	.181	4.39	4.60	
В	.063	.071	1.60	1.80	
С	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118		3.00		TYP
G	.013	.019	0.33	0.48	
Н	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
- 17	055	000	4 40	4.00	

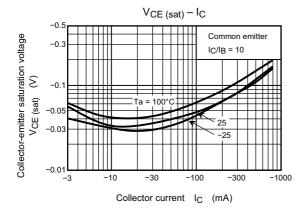
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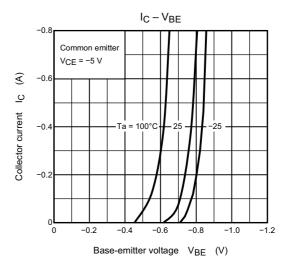


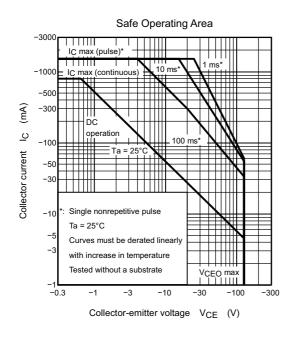
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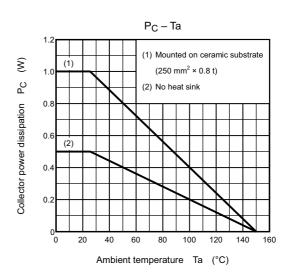














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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel1Kpcs/Reel

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