

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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2SA684

Features

- Low Frequency Power Amplifier.
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	-50	V
V_{CBO}	Collector-Base Voltage	-60	V
V_{EBO}	Emitter-Base Voltage	-5.0	V
Ic	Collector Current	-1.0	Α
Pc	Collector power dissipation	0.75	W
TJ	Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

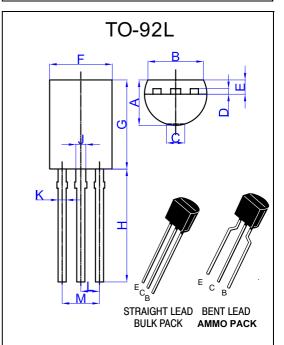
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OFF CHARACTERISTICS					
BV _{CBO}	Collector-Base Breakdown Voltage (I _C =-10 μ Adc, I _E =0)	-60			Vdc
BV _{CEO}	Collector-Emitter Breakdown Voltage (I _C =-2mAdc, I _B =0)	-50			Vdc
BV _{EBO}	Emitter-Base Breakdown Voltage (I _E =-10µAdc, I _C =0)	-5.0			Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =-20Vdc,I _E =0)			-100	nAdc

ON CHARACTERISTICS

h _{FE}	DC Current gain (I _C =-500mAdc, V _{CE} =-10Vdc)	85		340	
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _B =-50mAdc, I _C =-500mAdc)		-0.85	-1.2	Vdc
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-500mAdc, I _B =-50mAdc)		-0.2	-0.4	Vdc
f⊤	Current Gain Bandwidth Product (V _{CE} =-10Vdc, I _C =50mAdc,f=200MHz)		200		MHz
C _{ob}	Output Capacitance (V _{CB} =-10Vdc, I _E =0, f=1.0MHz)		20	30	pF

⁽¹⁾ h_{FE} Classification Q: 85~170, R: 120~240 ,S:170~340

PNP Epitaxial Silicon Transistor



	DIMENSIONS				
	MM		INC	INCHES	
DIM	MIN	MAX	MIN	MAX	NOTE
Α	3.700	4.100	.146	.161	
В	4.000		.157	-	
С	0.000	0.300	0.000	0.012	
D	0.350	0.450	.014	.018	
Е	1.280	1.580	.050	.062	
F	4.700	5.100	.185	.201	
G	7.800	8.200	.307	.323	
Н	13.80	14.20	.543	.559	
J	.600	.800	.024	.031	
K	0.350	.550	.014	.022	
L	1.270		.050		Straight Lead
L	2.200	2.800	.086	.110	Bent Lead
М	2.440	2.640	.096	.104	Straight Lead
IVI	4.400	5.600	.173	.220	Bent Lead

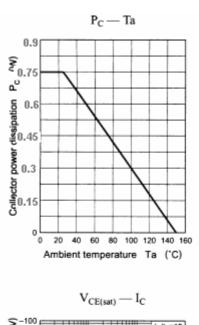
^{*} For ammo packing detailed specification, click here to visit our website of product packaging for details.

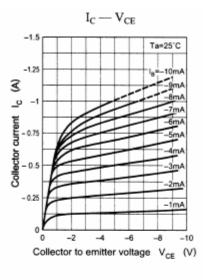
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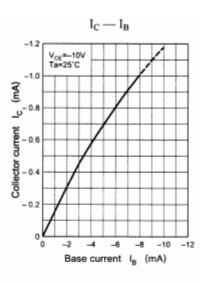


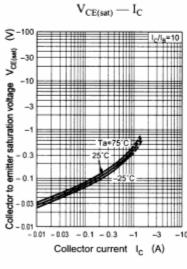
Typical Characteristics

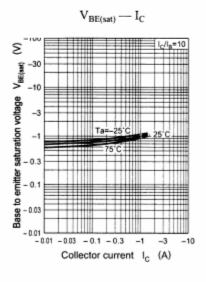
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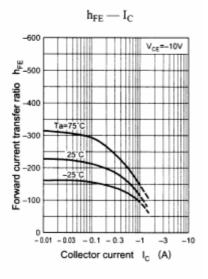


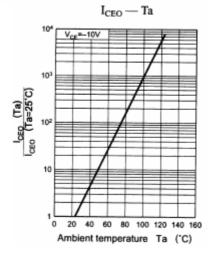


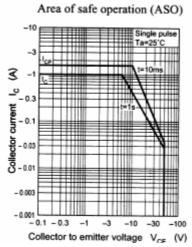














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Ordering Information:

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

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

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