

Micro Commercial Components



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

Features

- Audio frequency low power amplifier applications, driver stage amplifier applications, switching applications
- Excellent h_{FE} Linearity: $h_{FE(2)}$ =25(Min.) : V_{CE}=6.0V, I_C=400mA
- 1 Watt Amplifier applications
- Complementary to 2SA562TM. .
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking: C1959
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratinne

Symbol	Rating	Rating	Unit		
V _{CEO}	Collector-Emitter Voltage	30	V		
V _{CBO}	Collector-Base Breakdown Voltage	35	V		
V _{EBO}	Emitter-Base Voltage	5.0	V		
ار	Collector Current	500	mA		
Ь	Base Current	100	mA		
Pc	Collector Power Dissipation	500	mW		
ΤJ	Operating Junction Temperature	-55 to +150	°C		
T _{STG}	Storage Temperature	-55 to +150	°C		
Flectrical Characteristics $@$ 25% IInless Atherwise Snecified					

Electrical gnaracteristics @ 25°C Unless Utherwise Specified Max Units

Min Symbol Parameter Тур

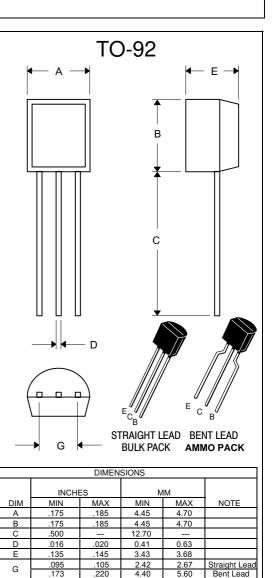
OFF CHARA	CTERISTICS				
І _{сво}	Collector-Base Cutoff Current			0.1	µAdc
	(V _{CB} =35Vdc, <u></u>				
I _{EBO}	Emitter-Base Cutoff Current			0.1	µAdc
	(V _{EB} =5.0Vdc,				-
ON CHARACTERISTICS					
1					

h _{FE-1}	DC Current Gain* (l _c =100mAdc, V _{ce} =1.0Vdc)	70		400	
h _{FE-2}	DC Current Gain* (L=400mAdc, V _{CE} =6.0Vdc)	25			
V _{CE(sat)}	Collector-Emitter Saturation Voltage (L=100mAdc, L=10mAdc)		0.1	0.25	Vdc
V _{BE}	Base-Emitter Voltage (t=100mAdc, V _{CE} =1.0Vdc)		0.8	1.0	Vdc
f _T	Transition Frequency (V _{CE} =6.0Vdc, _b =20mAdc)	200	300		MH_Z
C _{OBO}	Collector Output Capacitance (V _{CB} =6.0Vdc, 上=0, f=1.0MH _Z)		7.0		pF

Note: h_{FE(1)} Classification O: 70~140, Y: 120~240, GR: 200~400 h_{FE(2)} Classification O: 25 (Min.), Y: 40 (Min.)

2SC1959-O 2SC1959-Y 2SC1959-GR

Power Silicon NPN Transistor



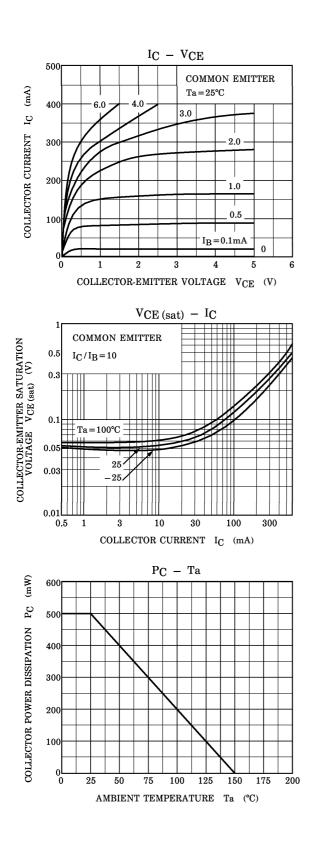
of product packaging for details

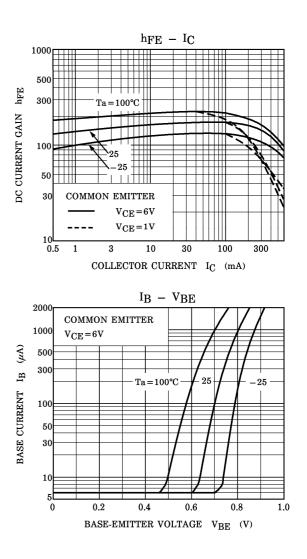
For ammo packing detailed specification, click here to visit our website

www.mccsemi.com

2SC1959







www.mccsemi.com



Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100 Kpcs/Carton

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

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