

**Micro Commercial Components** 



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## **Features**

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Complementary to 2SA1162
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maxir	Maximum Ratings							
Symbol	Rating	Rating	Unit					
V <sub>CEO</sub>	Collector-Emitter Voltage	50	V					
V <sub>CBO</sub>	Collector-Base Voltage	60	V					
V <sub>EBO</sub>	Emitter-Base Voltage	5.0	V					
Ιc	Collector Current	150	mA					
Pc	Collector power dissipation	150	mW					
ΤJ	Junction Temperature	-55 to +150	°C					
T <sub>STG</sub>	Storage Temperature	-55 to +150	°C					

### Electrical Characteristics @ 25°C Unless Otherwise Specified

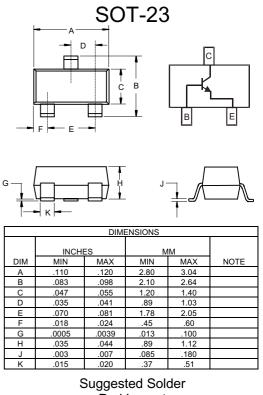
Symbol	Para	ameter	Min	Тур	Max	Units
OFF CHARA	CTERISTICS					
I <sub>CBO</sub>	Collector Cutoff C (V <sub>CB</sub> =60Vdc,I <sub>E</sub> =				0.1	μA
I <sub>EBO</sub>	Emitter Cutoff Cu (V <sub>EB</sub> =5.0Vdc, I <sub>C</sub>			0.1	μA	
ON CHARA	CTERISTICS					
$V_{(BR)CEO}$	Collector-Emitter Voltage (I <sub>C</sub> =1mA, I <sub>B</sub> =0)	Breakdown	50			V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage $(I_c=100\mu A, I_E=0)$		60			V
$V_{(BR)EBO}$	Emitter-Base Bre (I <sub>E</sub> =100µA, I <sub>C</sub> =0)	akdown Voltage	5.0			V
h <sub>F</sub>	DC Current Gain* (I <sub>c</sub> =2mAdc, V <sub>ce</sub> =6.0Vdc)		70		700	
$V_{\text{CE(sat)}}$	Collector Saturation Voltage* (I <sub>c</sub> =-100mAdc, I <sub>B</sub> =10mAdc)			0.1	0.25	V
Cob	Output Capacitance (V <sub>CB</sub> =10V, I <sub>E</sub> =0, f=1MHz)			2.0	3.5	pF
f⊤	Gain Bandwidth product (V <sub>CE</sub> =10Vdc, I <sub>C</sub> =1mAdc)		80			MHz
NF	Noise Figure V <sub>CE</sub> =6V, I <sub>C</sub> =0.1mA, f=1KHz, R <sub>g</sub> =10K $\Omega$ )			1.0	10	dB
CLASSIFIC	ATION OF hre					
Rank	0	Y	GF	2	В	L

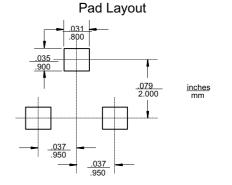
120-240

ΙY

## 2SC2712-O 2SC2712-Y 2SC2712-GR 2SC2712-BL

# NPN Plastic-Encapsulate Transistors





www.mccsemi.com

200-400

LG

### **Revision:** A

Range

Marking

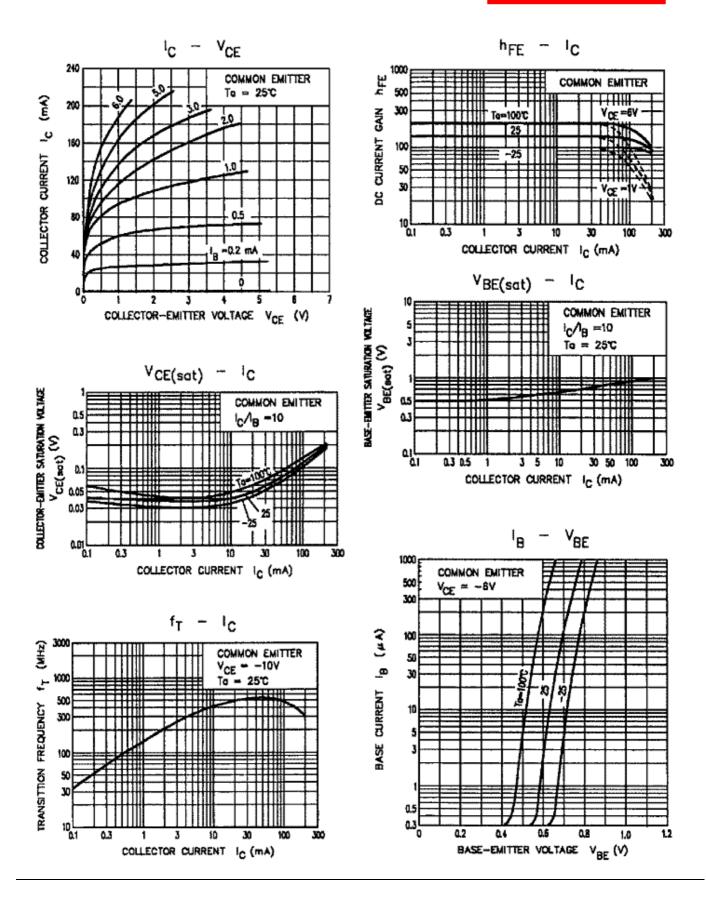
70-140

LO

350-700

11





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### **Ordering Information :**

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

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