

Micro Commercial Components



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

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 _{CEO} | Collector-Emitter Voltage | 50 | V | | | | | |
| V _{CBO} | Collector-Base Voltage | 60 | V | | | | | |
| V _{EBO} | Emitter-Base Voltage | 5.0 | V | | | | | |
| lc | Collector Current | 150 | mA | | | | | |
| Pc | Collector power dissipation | 150 | mW | | | | | |
| TJ | Junction Temperature | -55 to +150 | °C | | | | | |
| T _{STG} | Storage Temperature | -55 to +150 | °C | | | | | |

Flectrical Characteristics @ 25°C Unless Atherwise Snecified

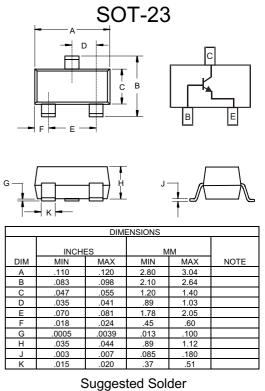
| ciecuricai gilaracteristics @ 23°G uniess utierwise specifieu | | | | | | |
|---|--|-----------|-----|-----|------|-------|
| Symbol | Para | meter | Min | Тур | Max | Units |
| OFF CHARA | CTERISTICS | | | | | |
| I _{CBO} | Collector Cutoff C (V _{CB} =60Vdc,I _E = | | | | 0.1 | μA |
| I _{EBO} | Emitter Cutoff Cu (V _{EB} =5.0Vdc, I _C | | | 0.1 | μA | |
| ON CHARAC | CTERISTICS | | | | | |
| $V_{(BR)CEO}$ | Collector-Emitter Voltage (I _C =1mA, I _B =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 Breakdown Voltage (I _E =100µA, I _C =0) | | 5.0 | | | V |
| h _F | DC Current Gain* (I _c =2mAdc, V _{cE} =6.0Vdc) | | 70 | | 700 | |
| $V_{\text{CE(sat)}}$ | Collector Saturation Voltage* (I_c =-100mAdc, I_B =10mAdc) | | | 0.1 | 0.25 | V |
| Cob | Output Capacitance (V _{CB} =10V, I _E =0, f=1MHz) | | | 2.0 | 3.5 | pF |
| f⊤ | Gain Bandwidth product (V _{CE} =10Vdc, I _C =1mAdc) | | 80 | | | MHz |
| NF | Noise Figure V _{CE} =6V, I _C =0.1mA, f=1KHz, R _g =10K Ω) | | | 1.0 | 10 | dB |
| CLASSIFIC | ATION OF hre | | | | | |
| Rank | 0 | Y | GF | R | В | |

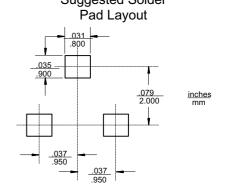
120-240

ΙY

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

NPN Plastic-Encapsulate Transistors





www.mccsemi.com

200-400

LG

Revision: A

Range

Marking

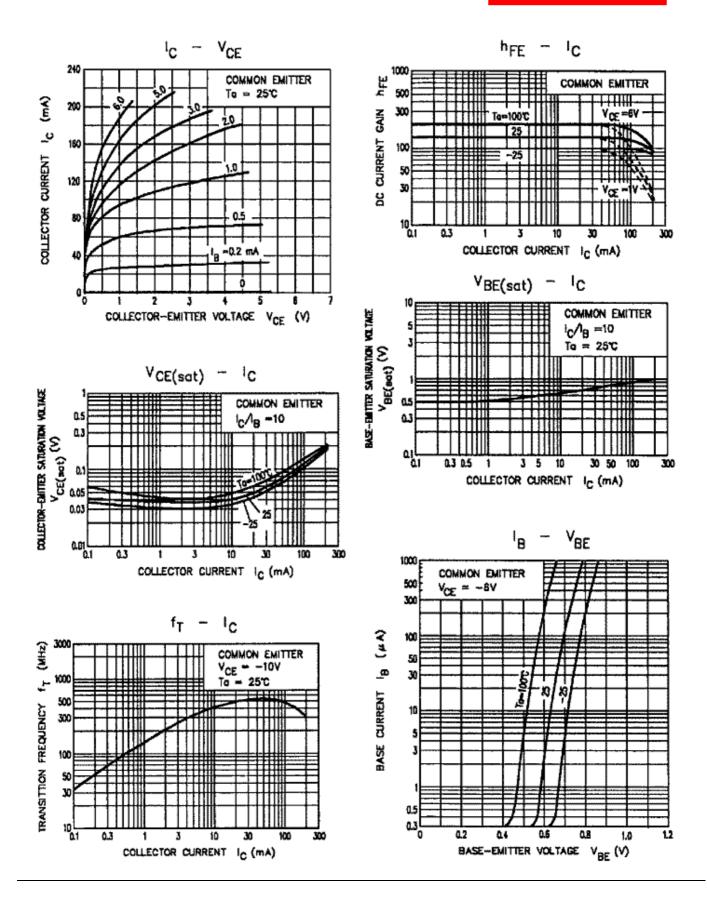
70-140

LO

350-700

11





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Ordering Information :

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

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