

Micro Commercial Components



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

Features

- Collector Current: I_{CM}=0.6A
- Collector-Base Voltage: V(BR)CBO = 160V
- Operating And Storage Temperatures –55°C to 150°C
- Capable of 0.3Watts of Power Dissipation
- Marking: 2L
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

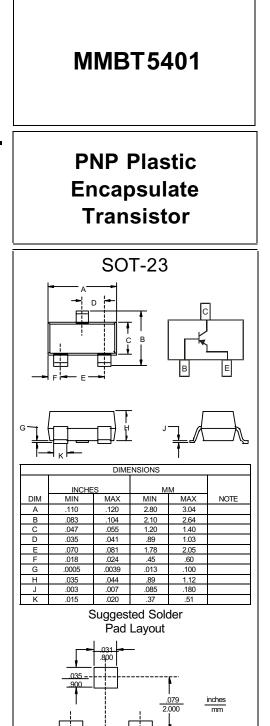
Electrical Characteristics @ 25°C Unless Otherwise Specified

| Symbol | Parameter | Min | Max | Units |
|----------------------|---|-----|-----|-------|
| OFF CHARA | CTERISTICS | | | |
| V _{(BR)CEO} | Collector -Emitter Breakdown Voltage (l _c =1.0mAdc, l _B =0) | 150 | | Vdc |
| V _{(BR)CBO} | Collector-Base Breakdown Voltage (I _c =100uAdc, I _E =0) | 160 | | Vdc |
| $V_{(BR)EBO}$ | Emitter-Base Breakdown Voltage (I _E =10uAdc, I _C =0) | 5.0 | | Vdc |
| I _{сво} | Collector Cutoff Current (V _{CB} =120Vdc, I _E =0) | | 0.1 | uAdc |
| ЕВО | Emitter Cutoff Current (V _{EB} =4.0Vdc, I _C =0) | | 0.1 | uAdc |
| ON CHARAC | TERISTICS | | | |
| h _{FE-1} | DC Current Gain (V _{CE} =5.0Vdc, | 80 | | |
| h _{FE-2} | DC Current Gain (V _{CE} =5.0Vdc, | 100 | 200 | |
| h _{FE-3} | DC Current Gain (V _{cE} =5.0Vdc, _b =50mAdc) | 50 | | |
| $V_{\text{CE(sat)}}$ | Collector-Emitter Saturation Voltage (t _c =50mAdc, t _s =5.0mAdc) | | 0.5 | Vdc |
| $V_{\text{BE(sat)}}$ | Base-Emitter Saturation Voltage | | | |

SMALL-SIGNAL CHARACTERISTICS

(L=50mAdc,I_B=5.0mAdc)

| f _T | Current Gain-Bandwidth Product | | |
|----------------|--|-----|---------|
| | (L=10mAdc, V _{CE} =5.0Vdc, f=30MHz) | 100 | MHz |



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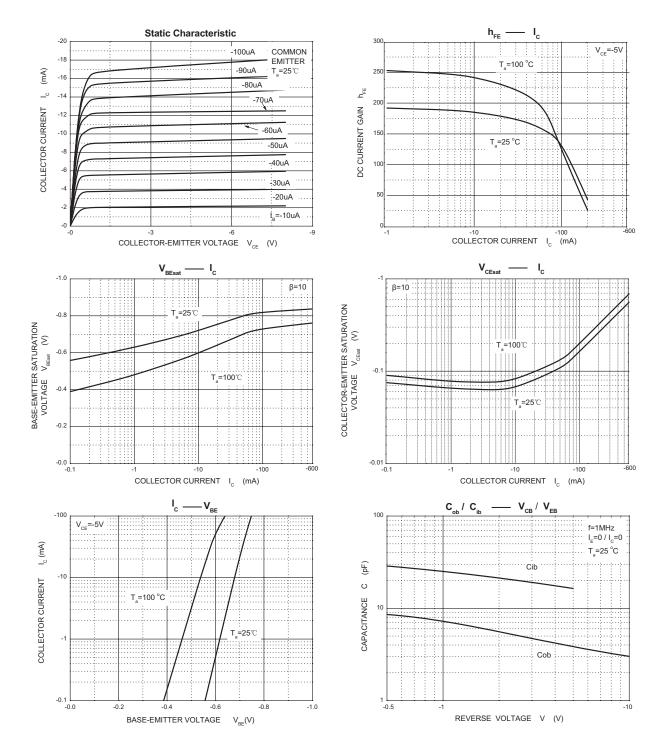
Vdc

2012/10/30

MMBT5401

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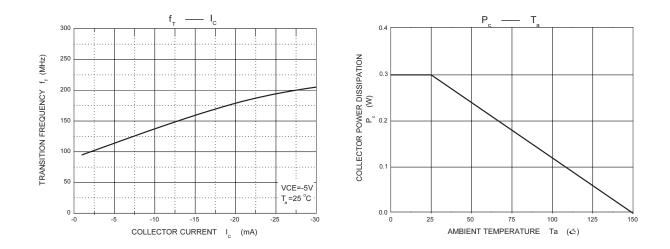
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Ordering Information :

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

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MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

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