

**Micro Commercial Components** 

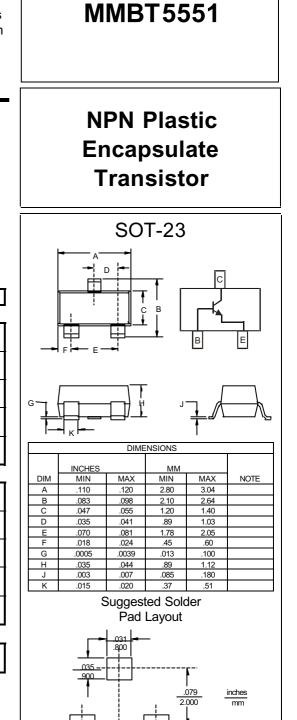
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

## **Features**

- Collector Current: I<sub>CM</sub>=0.6A
- Collector-Base Voltage: V(BR)CBO=180V
- Operating And Storage Temperatures –55°C to 150°C
- Capable of 0.3Watts of Power Dissipation
- Marking: G1
- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

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

Symbol	Parameter	Min	Max	Units
OFF CHARA	CTERISTICS			
$V_{(BR)CEO}$	Collector -Emitter Breakdown Voltage (L=1.0mAdc, I <sub>B</sub> =0)	160		Vdc
V <sub>(BR)CBO</sub>	Collector-Base Breakdown Voltage (l <sub>c</sub> =100uAdc, l <sub>E</sub> =0)	180		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I <sub>E</sub> =10uAdc, I <sub>c</sub> =0)	6.0		Vdc
I <sub>сво</sub>	Collector Cutoff Current (V <sub>CB</sub> =120Vdc, I <sub>E</sub> =0)		0.1	uAdc
ЕВО	Emitter Cutoff Current (V <sub>EB</sub> =4.0Vdc, I <sub>C</sub> =0)		0.1	uAdc
ON CHARAC	TERISTICS			
h <sub>FE-1</sub>	DC Current Gain (V <sub>CE</sub> =5.0Vdc, ⊱=1.0mAdc)	80		
h <sub>FE-2</sub>	DC Current Gain (V <sub>CE</sub> =5.0Vdc, L=10mAdc)	100	200	
h <sub>FE-3</sub>	DC Current Gain (V <sub>CE</sub> =5.0Vdc, <sub>L</sub> =50mAdc)	50		
$V_{\text{CE(sat)}}$	Collector-Emitter Saturation Voltage (l <sub>c</sub> =50mAdc, l <sub>B</sub> =5.0mAdc)		0.5	Vdc
$V_{\text{BE(sat)}}$	Base-Emitter Saturation Voltage ( $l_c$ =50mAdc, $l_b$ =5.0mAdc)		1.0	Vdc
SMALL-SIG	NAL CHARACTERISTICS			
f⊤	Current Gain-Bandwidth Product (L=10mAdc, V <sub>CE</sub> =5.0Vdc, f=30MHz)	100		MHz



950

<u>.037</u> .950

www.mccsemi.com



# **Ordering Information**

Device	Packing	
(Part Number)-TP	Tape&Reel3Kpcs/Reel	

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