

Pb

Micro Commercial Components

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

Features

- SOT-23 Plastic-Encapsulate Transistors
- Capable of 0.625Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 1.5A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking : Y1
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

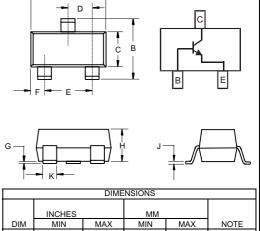
Symbol Parameter Min Max Units **OFF CHARACTERISTICS** Collector-Base Breakdown Voltage 40 Vdc V_{(BR)CBO} ----(l_c=100uAdc, l_E=0) Collector-Emitter Breakdown Voltage 25 Vdc $V_{(\mathsf{BR})\mathsf{CEO}}$ ---(l_c=0.1mAdc, l_B=0) $V_{(BR)EBO}$ Emitter-Base Breakdown Voltage 5.0 Vdc ----(l=100uAdc, lc=0) сво Collector Cutoff Current ---0.1 uAdc (V_{CB}=40Vdc, **⊧**=0) θεο Collector Cutoff Current ---0.1 uAdc (V_{CE}=20Vdc, <u>b</u>=0) Emitter Cutoff Current 0.1 uAdc I_{EBO} ---(V_{EB}=5.0Vdc, l_c=0) **ON CHARACTERISTICS** DC Current Gain 120 350 $h_{FE(1)}$ ---(L=100mAdc, V_{CE}=1.0Vdc) DC Current Gain 40 h_{FE(2)} ------(L=800mAdc, V_{CE}=1.0Vdc) V_{CE(sat)} Collector-Emitter Saturation Voltage ---0.5 Vdc (lc=800mAdc, l_B=80mAdc) Vdc Base-Emitter Saturation Voltage 1.2 V_{BE(sat)} (L=800mAdc, $I_B=80$ mAdc) Base- Emitter Voltage 1.6 Vdc Ver ---(I_F=1.5Adc) **SMALL-SIGNAL CHARACTERISTICS** f_T Transistor Frequency 100 MHz (L=50mAdc, V_{CE}=10Vdc, f=30MHz) CLASSIFICATION OF HEELD Rank н

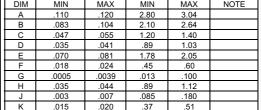
120-200

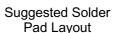


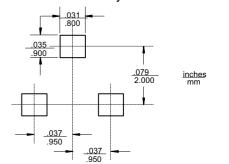
MMSS8050-L

MMSS8050-H









www.mccsemi.com

200-350

Range



Ordering Information :

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

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

*****IMPORTANT NOTICE*****

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. *Micro Commercial Components Corp*. does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp*. and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

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

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

www.mccsemi.com