

**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 $^{\circ}$ C to +150 $^{\circ}$ 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"

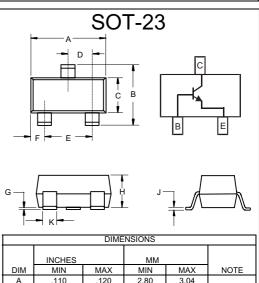
### Electrical Characteristics @ 25°C Unless Otherwise Specified

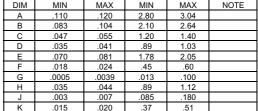
Symbol		Parameter	Min	Max	Units
<b>OFF CHARA</b>	CTERIST	ICS			
V <sub>(BR)CBO</sub>		tor-Base Breakdown Voltage 00uAdc, I <sub>E</sub> =0)	40		Vdc
V <sub>(BR)CEO</sub>		tor-Emitter Breakdown Voltage .1mAdc, I <sub>B</sub> =0)	25		Vdc
V <sub>(BR)EBO</sub>		-Base Breakdown Voltage 00uAdc, I <sub>c</sub> =0)	5.0		Vdc
Сво		tor Cutoff Current =40Vdc,		0.1	uAdc
LEO		tor Cutoff Current =20Vdc,		0.1	uAdc
I <sub>EBO</sub>		r Cutoff Current =5.0Vdc,		0.1	uAdc
ON CHARAC	TERISTI	CS			
h <sub>FE(1)</sub>	DC Current Gain (t <sub>c</sub> =100mAdc, V <sub>ce</sub> =1.0Vdc)		120	350	
h <sub>FE(2)</sub>		rrent Gain 00mAdc, V <sub>CE</sub> =1.0Vdc)	40		
V <sub>CE(sat)</sub>		tor-Emitter Saturation Voltage 00mAdc,		0.5	Vdc
V <sub>BE(sat)</sub>		Emitter Saturation Voltage 00mAdc, I <sub>B</sub> =80mAdc)		1.2	Vdc
V <sub>EB</sub>	Base- Emitter Voltage (I <sub>E</sub> =1.5Adc)			1.6	Vdc
SMALL-SIG	NAL CHA	RACTERISTICS			
f <sub>T</sub>	Transistor Frequency (L=50mAdc, V <sub>CE</sub> =10Vdc, f=30MHz)		100		MHz
CLASSIFIC	TION OF				
Rank		L	Н		
Range		120-200	200-350		

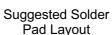
# NPN Silicon Plastic-Encapsulate Transistor

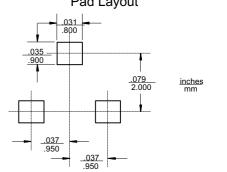
**MMSS8050-L** 

**MMSS8050-H** 









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### **Ordering Information :**

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

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

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