

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"

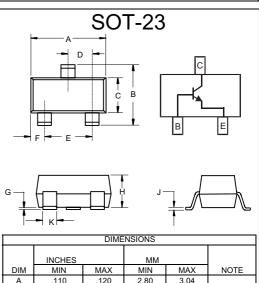
Electrical Characteristics @ 25°C Unless Otherwise Specified

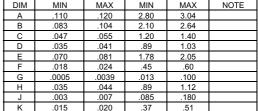
Symbol		Parameter	Min	Max	Units
OFF CHARA	CTERIST	ICS			
V _{(BR)CBO}		tor-Base Breakdown Voltage 00uAdc, I _E =0)	40		Vdc
V _{(BR)CEO}		tor-Emitter Breakdown Voltage .1mAdc, I _B =0)	25		Vdc
V _{(BR)EBO}		-Base Breakdown Voltage 00uAdc, I _c =0)	5.0		Vdc
Сво		tor Cutoff Current =40Vdc,		0.1	uAdc
LEO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

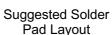
NPN Silicon Plastic-Encapsulate Transistor

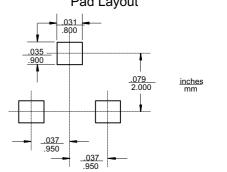
MMSS8050-L

MMSS8050-H









www.mccsemi.com



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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