



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 0.3Watts(Tamb=25^oC) 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"

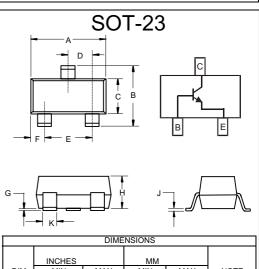
Electrical Characteristics @ 25°C Unless Otherwise Specified

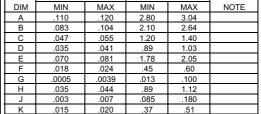
Symbol	Parameter		Min	Max	Units
OFF CHARA	CTERIST	ICS			
V _{(BR)CBO}	Collector-Base Breakdown Voltage (L=100uAdc, k=0)		40		Vdc
V _{(BR)CEO}		Collector-Emitter Breakdown Voltage (t=0.1mAdc, l₀=0)			Vdc
V _{(BR)EBO}		-Base Breakdown Voltage 00uAdc, I _c =0)	5.0		Vdc
Сво		tor Cutoff Current =40Vdc,		0.1	uAdc
LEO		tor Cutoff Current =20Vdc,		0.1	uAdc
I _{EBO}		r Cutoff Current =5.0Vdc, է=0)		0.1	uAdc
ON CHARAC	TERISTI	CS			
h _{FE(1)}		rrent Gain 00mAdc, V _{CE} =1.0Vdc)	120	350	
h _{FE(2)}		rrent Gain 00mAdc, V _{CE} =1.0Vdc)	40		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (t=800mAdc, l₀=80mAdc)			0.5	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (L=800mAdc, L=80mAdc)			1.2	Vdc
V _{EB}	Base- Emitter Voltage (I _E =1.5Adc)			1.6	Vdc
SMALL-SIG	IAL CHA	RACTERISTICS			
f _T	Transistor Frequency (L=50mAdc, V _{CE} =10Vdc, f=30MHz)		100		MHz
CLASSIFICA	TION OF				
Rank	-	L	Н		
Range		120-200	200-350		

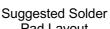
NPN Silicon Plastic-Encapsulate Transistor

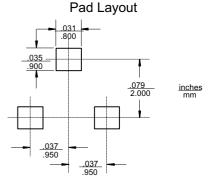
MMSS8050-L

MMSS8050-H









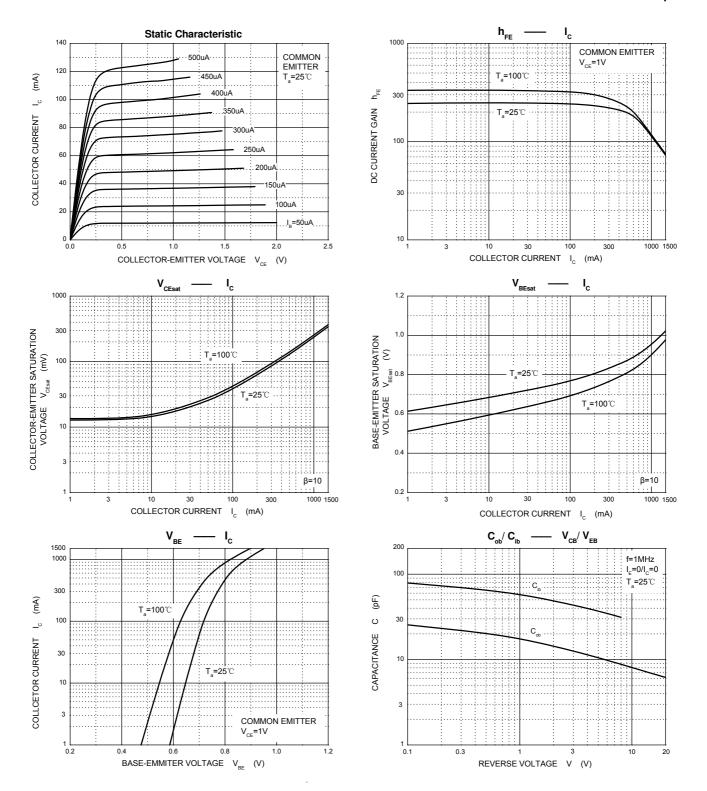
www.mccsemi.com

Revision: D

MMSS8050

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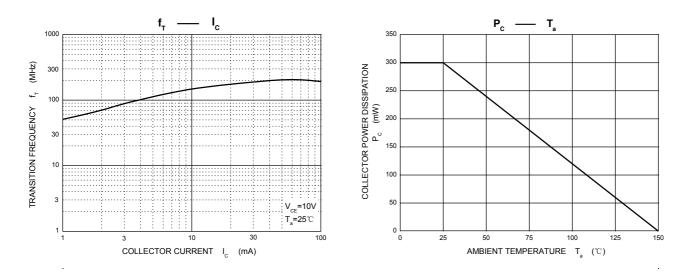
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Ordering Information :

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

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

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