

Micro Commercial Components

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

Features

- Halogen free available upon request by adding suffix "-HF" Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information)
- High DC Current Gain: h_{FE} =600 Max.(V_{CE} =6.0V, L=1.0mA)
- High voltage: V_{CEO}=50V
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings

Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	50	V
V _{CBO}	Collector-Base Voltage	60	V
V _{EBO}	Emitter-Base Voltage	5.0	V
	Collector Current	100	mA
Pc	Collector power dissipation	200	mW
TJ	Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Units		
OFF CHARA	OFF CHARACTERISTICS						
Сво	Collector Cutoff Current (V _{CB} =60Vdc,I _E =0)			0.1	µAdc		
Ево	Emitter Cutoff Current (V _{EB} =5.0Vdc, I _c =0)			0.1	µAdc		
ON CHARAO	ON CHARACTERISTICS						
h _F	DC Current Gain*						
	(lc=1.0mAdc, V _{CE} =6.0Vdc)	135		600			
V _{CE(sat)}	Collector Saturation Voltage*						
	(l _c =100mAdc, l _b =10mAdc)		0.15	0.3	Vdc		
V _{BE(SAT)}	Base Saturation Voltage*						
BE(0/11)	(L=100mAdc,L=10mAdc)		0.86	1.0	Vdc		
V _{BE}	Base Emitter Voltage*						
	(V _{CE} =6.0Vdc, L=1.0mAdc)	0.55	0.62	0.65	Vdc		
C	Collector Capacitance						
C _{ob}	(V _{CB} =6.0Vdc, I _E =0, f=1.0MHz)		3.0		pF		
f	Gain Bandwidth product						
f _⊤	(V _{CE} =6.0Vdc, I _E =10mAdc)		250		MHz		

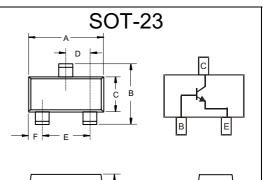
he CLASSIFICATION

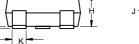
Marking	L5	L6	L7
h _{FE}	135-270	200-400	300-600
* Pulso Test PM/<350	is duty cycles 2%		

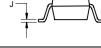
Pulse Test PW<350us, duty cycle<2%

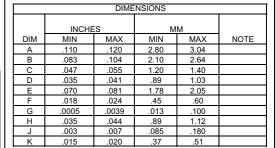
2SC1623-L5 2SC1623-L6 2SC1623-L7

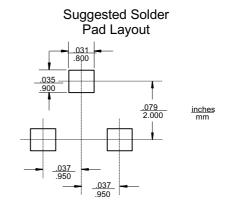
NPN Silicon Epitaxial Transistors











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Typical Characteristics

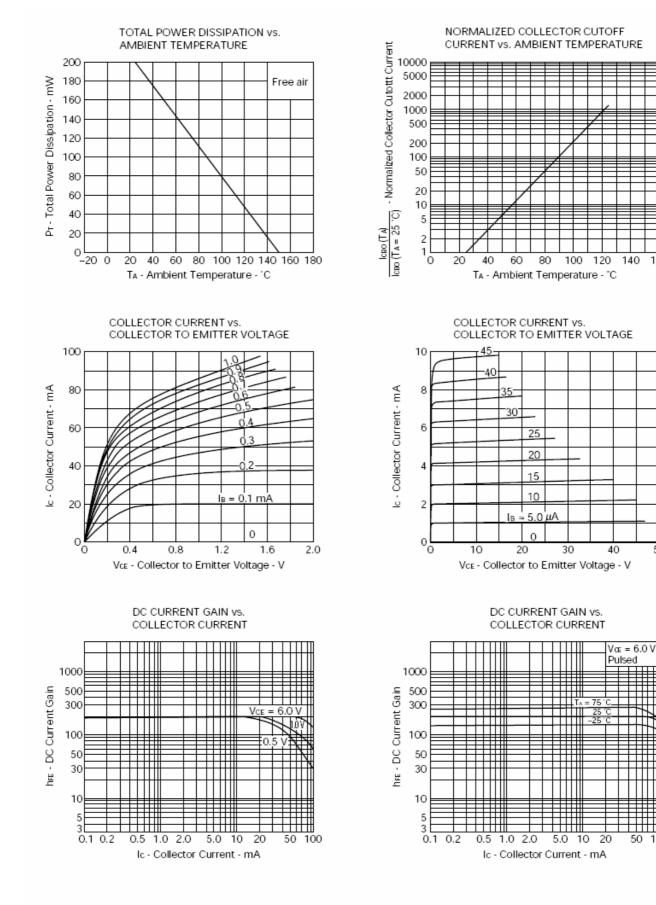
 $\cdot M \cdot C \cdot C \cdot$

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140

160

50



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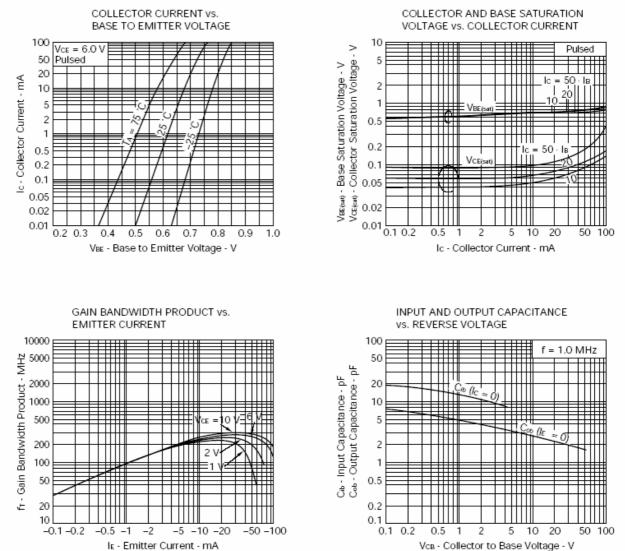
Revision: C

-111

50 100



Typical Characteristics



VEB - Emittor to Base Voltage - V

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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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