

Micro Commercial Components



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

Features

- 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_{CE} =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
_ <u>_</u>	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

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Symbol	Parameter	Min	Тур	Max	Units
OFF CHARA	CTERISTICS				
Ісво	Collector Cutoff Current (V _{CB} =60Vdc,I _E =0)			0.1	uAdc
EBO	Emitter Cutoff Current (V _{EB} =5.0Vdc, I _C =0)		0.1 uAdc		
ON CHARA	CTERISTICS				
h _F	DC Current Gain* (lc=1.0mAdc, V _{CE} =6.0Vdc)	200		600	
V _{CE(sat)}	Collector Saturation Voltage* (L=100mAdc, L=10mAdc)		0.15	0.3	Vdc
$V_{BE(SAT)}$	Base Saturation Voltage* (L=100mAdc,L=10mAdc)		0.86	1.0	Vdc
V_{BE}	Base Emitter Voltage* (V _{CE} =6.0Vdc, _b =1.0mAdc)	0.55	0.62	0.65	Vdc
C _{ob}	Collector Capacitance (V _{CB} =6.0Vdc, I _E =0, f=1.0MHz)		3.0		pF
f⊤	Gain Bandwidth product (V _{CE} =6.0Vdc, I _E =10mAdc)		250		MHz

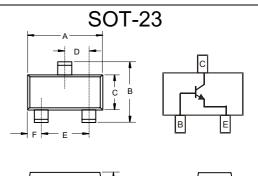
hee CLASSIFICATION

Marking	L6	L7
h _{FE}	200-400	400-600
* Pulse Test PW<350us_duty.cvcle<2%		

PVV<350us, duty cycle<2%

2SC1623-L6 2SC1623-L7

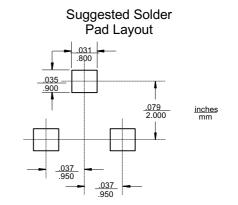
NPN Silicon Epitaxial Transistors







	DIMENSIONS				
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.098	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
Е	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
Н	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	



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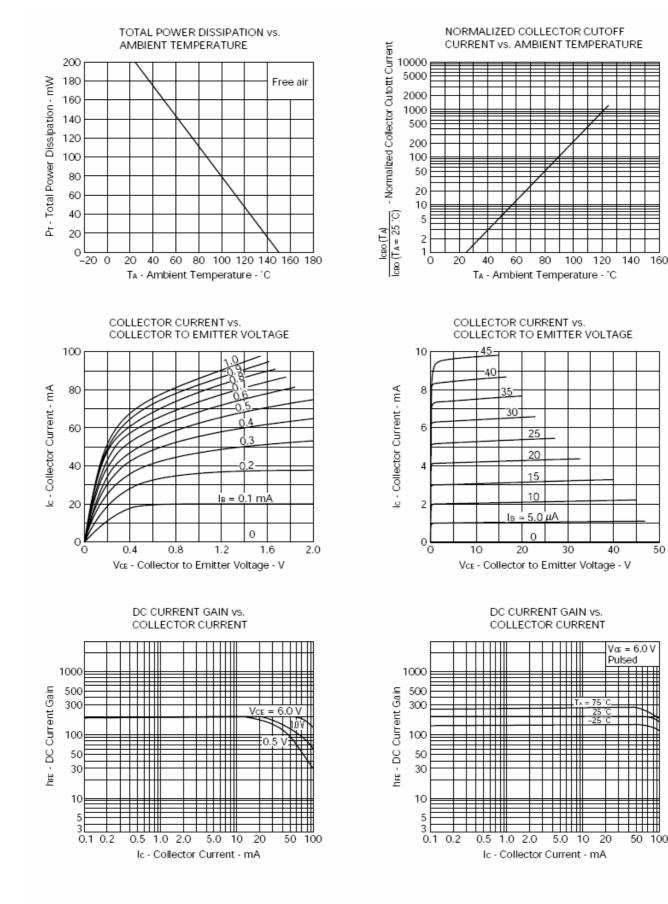
Typical Characteristics

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Micro Commercial Components

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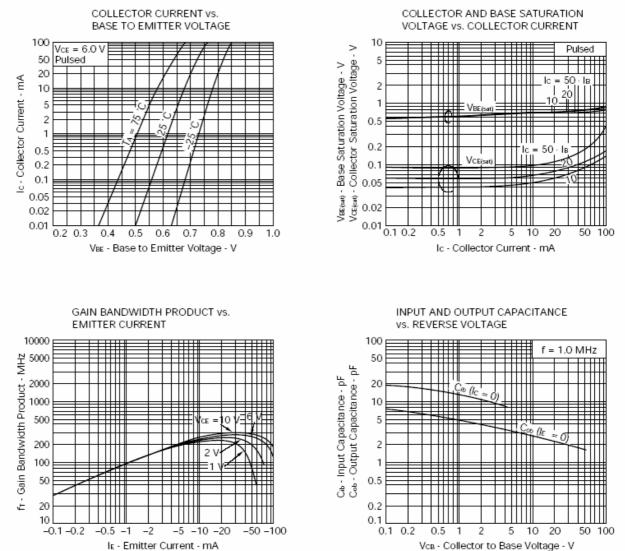
Revision: A

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-111



Typical Characteristics



VEB - Emittor to Base Voltage - V

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Ordering Information :

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

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