



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Micro Commercial Components



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

Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Power Dissipation: $P_{CM}=0.5W$ ($T_{amb}=25^{\circ}C$)
- Collector Current: $I_{CM}=1.0A$
- Collector-Base Voltage: $V_{(BR)CBO}=100V$
- Marking : BCX56=BH, BCX56-10=BK, BCX56-16=BL
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

Symbol	Rating	Value	Unit
V_{CEO}	Collector-Emitter Voltage	80	V
V_{CBO}	Collector-Base Voltage	100	V
V_{EBO}	Emitter-Base Voltage	5.0	V
I_C	Collector Current DC	1.0	A
P_C	Collector Power Dissipation	0.5	W
T_J	Junction Temperature	150	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}C$

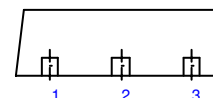
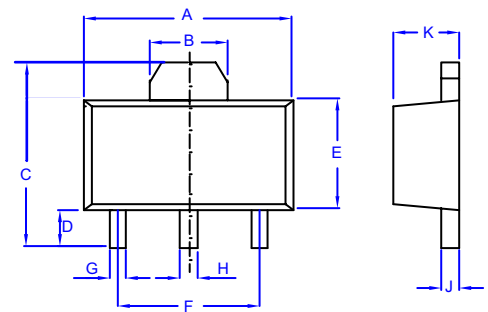
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
V_{CBO}	Collector-Base Voltage ($I_C=100\mu A_{dc}$, $I_E=0$)	100	---	---	Vdc
V_{CEO}	Collector-Emitter Voltage ($I_C=10mA_{dc}$, $I_B=0$)	80	---	---	Vdc
V_{EBO}	Emitter-Base Voltage ($I_E=10\mu A_{dc}$, $I_C=0$)	5.0	---	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=30V_{dc}$, $I_E=0$)	---	---	0.1	μA_{dc}
I_{EBO}	Emitter Cutoff Current ($V_{EB}=5.0V_{dc}$, $I_C=0$)	---	---	0.1	μA_{dc}
$h_{FE(1)}$	DC Current Gain ($V_{CE}=2.0V_{dc}$, $I_C=150mA_{dc}$)				
	BCX56	63	---	250	---
	BCX56-10	63	---	160	---
	BCX56-16	100	---	250	---
$h_{FE(2)}$	DC Current Gain ($V_{CE}=2.0V_{dc}$, $I_C=5.0mA_{dc}$)	40	---	---	---
$h_{FE(3)}$	DC Current Gain ($V_{CE}=2.0V_{dc}$, $I_C=500mA_{dc}$)	25	---	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=500mA_{dc}$, $I_B=50mA_{dc}$)	---	---	0.5	Vdc
$V_{BE(sat)}$	Base-Emitter Voltage ($I_C=500mA_{dc}$, $V_{CE}=2.0V_{dc}$)	---	---	1.0	Vdc
f_T	Transition Frequency ($V_{CE}=100V_{dc}$, $I_C=50mA_{dc}$, $f=100MHz$)	130	---	---	MHz

BCX56 BCX56-10 BCX56-16

NPN Plastic-Encapsulate Transistors

SOT-89



1. BASE
2. COLLECTOR
3. EMITTER

DIM	DIMENSINS				NOTES
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	
B	.061	-----	1.55	-----	REF.
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118	-----	3.00	-----	TYP
G	.013	.019	0.33	0.48	
H	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	



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Ordering Information :

Device	Packing
Part Number-TP	Tape & Reel; 1 Kpcs/Reel

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

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