

Micro Commercial Components

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BC869 BC869-16 BC869-25

Features

- High current (max. 1.0A)
- Low voltage (max. 20V)
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings

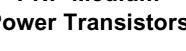
Symbol	Rating	Value	Unit
V_{CEO}	Collector-Emitter Voltage	20	V
$V_{\sf CBO}$	Collector-Base Voltage	32	V
V_{EBO}	Emitter-Base Voltage	5.0	V
lc	Collector Current, DC	1.0	Α
I _{BM}	Peak Base Current	200	mA
P _C	Collector Power Dissipation T _{amb ≤ 25 °C;}	0.50	W
T,,	Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

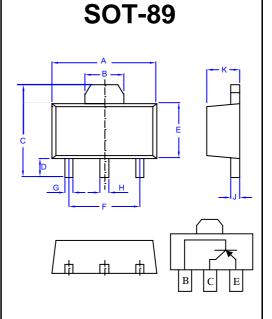
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Units
OFF CHARA					
Сво	Collector Cutoff Current				
	(V _{CB} =25Vdc)			100	nAdc
	(V _{CB} =25Vdc,			10	uAdc
Ево	Emitter Cutoff Current			100	nAdc
	(V _{EB} =5.0Vdc,				
h _{FE}	DC Current Gain				
	$(V_{CE}=10Vdc, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	50			
	(V _{CE} =1.0Vdc,	100		375	
	(V _{CE} =1.0Vdc,	60			
	DC Current Gain				
	(V _{CE} =1.0Vdc, l _C =500mAdc) _{BC869-16}	100		250	
	BC869-25	160		375	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage				
(/	(l _c =1.0Adc,l _B =100mAdc)			500	mVdc
f⊤	Transition Frequency	40			MHz
	(V _{CE} =5.0Vdc,				
	f=100MHz)				

DEVICE MARKING	BC869=CEC	BC869-16=CGC	BC869-25=CHC
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PNP Medium Power Transistors





	DIMENSINS				
DIM	INCHES		MM		NOTES
	MIN	MAX	MIN	MAX	
Α	.173	.181	4.39	4.60	
В	.061		1.55		REF.
С	.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	
Н	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	

1 of 2 Revision: A 2011/01/01



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Ordering Information:

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

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