

**Boca Semiconductor Corp.**  
**BSC**

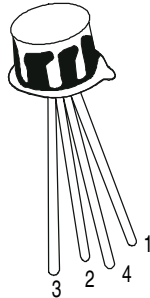
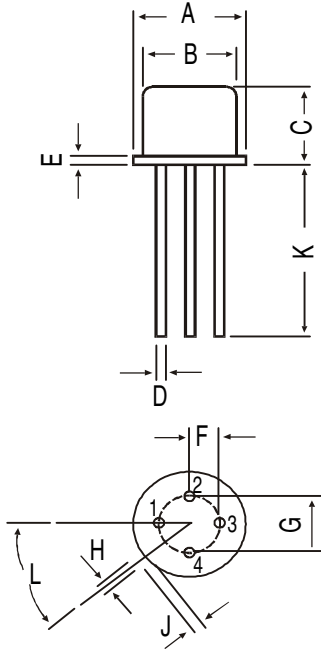
**VHF/UHF Applications****ABSOLUTE MAXIMUM RATINGS**

DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Base Voltage	VCBO	30	V
Collector -Emitter Voltage	VCEO	15	V
Emitter Base Voltage	VEBO	2.0	V
Collector Current	IC	50	mA
Power Dissipation @ Ta=25 deg C	Ptot	200	mW
Operating & Storage Junction Temperature Range	Tj, Tstg	-65 to +200	deg C

**ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless Otherwise Specified)**

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector Cut off Current	ICBO	VCB=15V, IE=0	-	-	20	nA
Collector -Base Voltage	VCBO	IC=1uA, IE=0	30	-	-	V
Collector -Emitter Voltage	VCEO	IC=1uA, IB=0	15	-	-	V
Emitter Base Voltage	VEBO	IE=1uA, IC=0	2.0	-	-	V
DC Current Gain	hFE	IC=2mA, VCE=8V	25	-	150	
<b>DYNAMIC CHARACTERISTICS</b>						
Forward Current Transfer Ratio	hfe	IC=2mA, VCE=8V, f=100MHz	7.5	-	16	
Out-Put Capacitance	Ccb	VCB=10V, IE=0, f=1MHz	-	-	1.0	pF

## TO-72 Metal Can Package



### PIN CONFIGURATION

1. EMITTER
2. BASE
3. COLLECTOR
4. CASE

All dimensions in mm.

DIM	MIN.	MAX.
A	5.24	5.84
B	4.52	4.95
C	4.31	5.33
D	0.40	0.53
E	—	0.76
F	1.14	1.39
G	2.28	2.97
H	0.91	1.17
J	0.71	1.22
K	12.70	—
L	12 DEG	48 DEG

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