1.0

pF



## **Boca Semiconductor Corp. BSC**

## **VHF/UHF Applications**

**Out-Put Capacitance** 

## **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	Tj, Tstg	-65 to +200	deg C
Temperature Range			

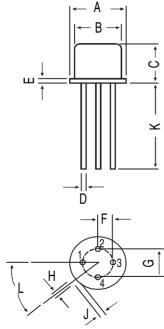
**ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless Otherwise Specified) DESCRIPTION SYMBOL TEST CONDITION** MIN TYP MAX UNIT **Collector Cut off Current** ICBO VCB=15V, IE=0 20 nΑ **Collector -Base Voltage** VCBO IC=1uA, IE=0 30 V VCEO IC=1uA, IB=0 V **Collector -Emitter Voltage** 15 **Emitter Base Voltage** IE=1uA, IC=0 V **VEBO** 2.0 **DC Current Gain** hFE IC=2mA,VCE=8V 25 150 **DYNAMIC CHARACTERISTICS Forward Current Transfer Ratio** IC=2mA,VCE=8V,f=100MHz hfe 7.5 16

VCB=10V, IE=0, f=1MHz

Ccb

http://www.bocasemi.com

## **TO-72 Metal Can Package**





PIN CONFIGURATION

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

All dimensions in mm.	DIM	MIN.	MAX.
	Α	5.24	5.84
	В	4.52	4.95
	С	4.31	5.33
	D	0.40	0.53
	Е	_	0.76
	F	1.14	1.39
	G	2.28	2.97
	Н	0.91	1.17
	J	0.71	1.22
	K	12.70	_
All d	L	12 DEG	48 DEG

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