

Continental Device India Limited

IS/ISO 9002 Lic# QSC/L- 000019.2



An IS/ISO 9002 and IECQ Certified Manufacturer

PNP EPITAXIAL PLANAR SILICON TRANSISTORS

BC460 BC461 TO-39



Medium Power Amplifier

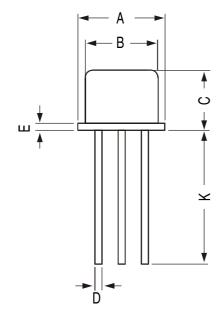
ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	BC460	BC461	UNIT
Collector -Base Voltage	VCBO	50	70	V
Collector -Emitter Voltage	VCEO (sus)	40	60	V
Collector -Emitter Voltage RBE=100 ohms	VCER	50	70	V
Emitter -Base Voltage	VEBO	5.0		V
Collector Peak Current	ICM	2.0		Α
Power Dissipation @ Tamb=25 deg C	Ptot	1.0		W
@ Tcase=25 deg C			10	W
Operating And Storage Junction	Tj, Tstg	65 to +200		deg C
Temperature Range				
THERMAL RESISTANCE				
Junction to Case	Rth (j-c)		17.5	deg C/W
Junction to Ambient	Rth (j-a)		175	deg C/W

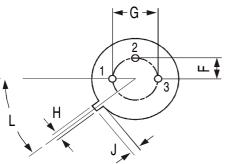
DESCRIPTION	SYMBOL ICBO	TEST CONDITION		MIN -	MAX 100	UNIT nA
Collector-Cut off Current		VCB=40V, IE=0				
RBE=100 ohms	ICER	VCE=50V,	BC460	-	10	uA
		VCE=70V,	BC461	-	10	uA
Collector -Emitter Voltage	VCEO *	IC=10mA, IB=0	BC460	40	-	V
_			BC461	60	-	V
Emitter -Base Voltage	VEBO	IE=100 uA, IC=0		5.0	-	V
DC Current Gain	hFE*	IC=500mA,VCE=4V		40	250	
		IC=1A,VCE=2V	BC460	20	-	
Collector Emitter Saturation Voltage	VCE(Sat)*	IC=1A, IB=100mA		-	1.0	V
Base Emitter Saturation Voltage	VBE(Sat) *	IC=1A, IB=100mA		-	1.5	V
Transition Frequency	ft	IC=50mA, VCE=4V f=1MHz		50	-	MHz

Pulse: Pulse duration=300us, Duty Cycle=1%

TO-39 Metal Can Package



	DIM	MIN	MAX	
	Α	8.50	9.39	
	В	7.74	8.50	
	С	6.09	6.60	
	D	0.40	0.53	
E	Ε	_	0.88	
שר	F	2.41	2.66	
ie E	G	4.82	5.33	
All dimensions are in mm	Н	0.71	0.86	
nsio	J	0.73	1.02	
ime	K	12.70	_	
All d	L	42 DEG	48 DEG	
-				





PIN CONFIGURATION

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

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-39	500 pcs/polybag	540 gm/500 pcs	3" x 7.5" x 7.5"	20.0K	17" x 15" x 13.5"	32.0K	40 kgs

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Discrete Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished on the CDIL Web Site/CD is believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Discrete Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

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