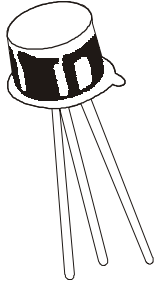


## PNP SILICON PLANAR TRANSISTOR

**BC477  
TO-18**



### General Purpose Audio Amplifier

#### ABSOLUTE MAXIMUM RATINGS (Ta=25 deg C)

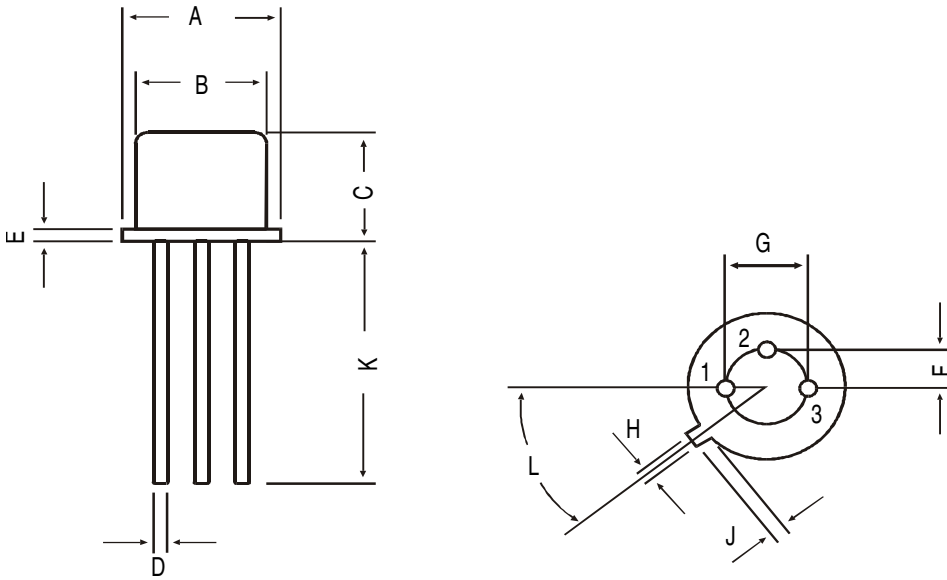
DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Emitter Voltage	टके	६०	ट
Collector -Emitter Voltage	टबट	८०	ट
Emitter Base Voltage	टमटट	६५०	ट
Collector Current	ख	१५०	उ।
Power Dissipation @ Ta=25 deg C	चनवज	०५३	
@ Tc=25 deg C		१५२०	
Junction Temperature	ज	२००	कमह ँ
Storage Temperature Range	जेजह	५५ जव २००	कमह ँ
<b>Thermal Resistance</b>			
Junction to Case	त्जी ;र.बख	१४६	कमह ँ
Junction to Ambient	त्जी ;र.ःख	४८५	कमह ँ

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

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector Cut off Current	खे	टबत्र७०टए टठमन० जंत्र१२५ कमह ँ	.	.	१०	द।
Emitter Cut off Current	फुट	टबत्र७०टए टठमन०	.	.	१०	न।
Collector -Emitter Voltage	टके	टमटत्र४टए फ्ल०	६०	.	.	ट
Emitter Base Voltage	टबट	फ्ल५उ ए टत्र०	८०	.	.	ट
Collector Emitter Saturation Voltage	टके;जख	फ्ल१०उ ए टत्र०५उ।	.	.	०५२५	ट
Base Emitter on Voltage	टठमवदख	फ्ल१००उ ए टत्र५उ।	जलच ०५३	.	.	ट
Base Emitter Saturation Voltage	टठमजख	फ्ल२उ एटबत्र५ट	०५५५	.	०५७५	ट
DC Current Gain	ीख	फ्ल१०उ ए टत्र०५उ।	जलच ०५६०	.	.	ट
Small Signal Current Gain	ीमि	फ्ल१०न एटबत्र५ट	३०	.	.	
		फ्ल२उ एटबत्र५ट	११०	.	२५०	
		फ्ल१०उ एटबत्र५ट	जलच १६०	.	.	
		फ्ल२उ एटबत्र५टएत्रि१५	१२५	.	२६०	
		फ्ल१०उ एटबत्र५टएत्रि२०ड	जलच ७५५	.	.	
<b>DYNAMIC CHARACTERISTICS</b>						
Collector Base Capacitance	बइव	फ्ल०ए टबत्र५ट	.	.	६५०	चथ
Emitter Base Capacitance	बइव	फ्ल०ए टमटत्र०५ट	.	.	१५	चथ
Noise Figure	छथ	टबत्र५टए फ्ल२००न ए लत्र२ वीउए त्रि१५ ठत्र२००	.	.	१०	कठ

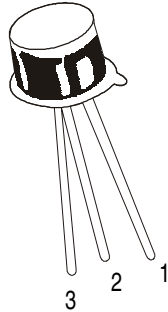
\*Pulsed: pulse duration =300us, duty cycle=1%

## TO-18 Metal Can Package



All dimensions in mm.

DIM	MIN	MAX
A	5.24	5.84
B	4.52	4.97
C	4.31	5.33
D	0.40	0.53
E	—	0.76
F	—	1.27
G	—	2.97
H	0.91	1.17
J	0.71	1.21
K	12.70	—
L	45 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-18	1K/polybag	350 gm/1K pcs	3" x 7.5" x 7.5"	5.0K	17" x 15" x 13.5"	80.0K	34 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).

CDIL strives for continuous improvement and reserves the right to change the specifications of its products without prior notice.



ब्यस पे तमहपेजमतमक ज्त्कमउंता वी

## Continental Device India Limited

ब.१२० छंतपदं प्दकनेजतपंस तामं ए छमू कमसीप ११० ०२८ए प्दकपं  
 ज्मसमचीवदम. ए१.११.५७ए ६१५० थं. ए१.११.५७ए ६५६ए ५७ए ५२६०  
 म.उंपसेसमे/बकपसणवउ ण्वकपसणवउ