

**DESCRIPTION:**

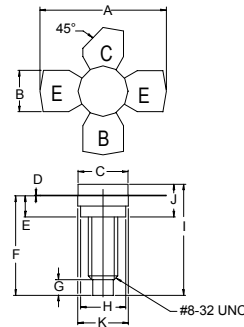
The **BLX96** is Designed for Class A Television Band IV- V Amplifier Applications Requiring High Linearity.

**FEATURES:**

- $P_G = 7.0$  dB Typical at 860 MHz
- $IMD_3 = -63$  dBc Typ. at  $P_{REF} = 0.5$  W
- Omnigold™** Metallization System

**MAXIMUM RATINGS**

$I_C$	1.0 A
$V_{CB}$	45 V
$P_{DISS}$	16 W @ $T_C = 25$ °C
$T_J$	-65 °C to +200 °C
$T_{STG}$	-65 °C to +150 °C
JC	11 °C/W

**PACKAGE STYLE .280 4L STUD**


DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	1.010 / 25.65	1.055 / 26.80
B	.220 / 5.59	.230 / 5.84
C	.270 / 6.86	.285 / 7.24
D	.003 / 0.08	.007 / 0.18
E	.117 / 2.97	.137 / 3.48
F	.572 / 14.53	
G	.130 / 3.30	
H	.245 / 6.22	.255 / 6.48
I	.640 / 16.26	
J	.175 / 4.45	.217 / 5.51
K	.275 / 6.99	.285 / 7.24

**ORDER CODE: ASI10784**
**CHARACTERISTICS**  $T_C = 25$  °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$BV_{CEO}$	$I_C = 40$ mA	24			V
$BV_{CER}$	$I_C = 40$ mA $R_{BE} = 10$	50			V
$BV_{CBO}$	$I_C = 2$ mA	45			V
$BV_{EBO}$	$I_E = 0.5$ mA	3.5			V
$h_{FE}$	$V_{CE} = 20$ V $I_C = 250$ mA	20		150	---
$C_{OB}$	$V_{CB} = 20$ V $f = 1.0$ MHz			10	pF
$P_G$	$V_{CE} = 25$ V $I_C = 250$ mA $P_{REF} = 0.5$ W	6.0	7.0		dB
$IMD_3$	F = 860 MHz Vision = -8.0 dB Sound = -7.0 dB Chroma = -16 dB			-60	dBc

Note : Above parameters , ratings , limits and conditions are subject to change .