

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI BLV32F** is Designed for in linear v.h.f. amplifiers of television transmitters and transporters.

FEATURES:

- Diffused emitter ballasting resistors
- $P_G = 16$ dB at 10 W/224 MHz
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	4.0 A
V_{CBO}	60 V
V_{CEO}	32 V
V_{CES}	60 V
V_{EBO}	4.0 V
P_{DISS}	82 W @ $T_C = 25^\circ\text{C}$
T_J	-65°C to $+200^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$
θ_{JC}	2.1°C/W

PACKAGE STYLE .500 6L FLG

Top View Dimensions:

- A: Distance from center to mounting hole center (inches/mm)
- B: Mounting hole diameter (inches/mm)
- C: Distance from center to mounting hole edge (inches/mm)
- D: Overall width (inches/mm)
- E: Distance from center to mounting hole edge (inches/mm)
- F: Distance from center to mounting hole center (inches/mm)
- G: Mounting hole diameter (inches/mm)
- H: Distance from center to mounting hole edge (inches/mm)
- I: Distance from center to mounting hole center (inches/mm)
- J: Distance from center to mounting hole center (inches/mm)
- K: Distance from center to mounting hole center (inches/mm)
- L: Distance from center to mounting hole center (inches/mm)
- M: Distance from center to mounting hole center (inches/mm)

Side View Dimensions:

- N: Overall height (inches/mm)
- O: Distance from center to mounting hole center (inches/mm)
- P: Distance from center to mounting hole center (inches/mm)
- Q: Distance from center to mounting hole center (inches/mm)
- R: Distance from center to mounting hole center (inches/mm)
- S: Distance from center to mounting hole center (inches/mm)
- T: Distance from center to mounting hole center (inches/mm)
- U: Distance from center to mounting hole center (inches/mm)
- V: Distance from center to mounting hole center (inches/mm)
- W: Distance from center to mounting hole center (inches/mm)
- X: Distance from center to mounting hole center (inches/mm)
- Y: Distance from center to mounting hole center (inches/mm)
- Z: Distance from center to mounting hole center (inches/mm)

Note: .125 NDM, FULL R

	MINIMUM Inches/mm	MAXIMUM Inches/mm
A	.150/.343	.160/.406
B	.045/.114	
C	.210/.533	.220/.559
D	.835/.21.21	.865/.21.97
E	.200/.508	.210/.533
F	.490/.12.45	.510/.12.95
G	.003/.008	.007/.018
H	.125/.318	
I	.720/.18.29	.730/.18.54
J	.970/.24.64	.980/.24.89
K	.095/.2.41	.105/.2.67
L	.150/.3.81	.170/.4.32
M	.280/.7.11	

1= Collector 2= Base 3 and 4= Emitter

CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 100$ mA		32			V
BV_{CES}	$I_C = 15$ mA		60			V
BV_{EBO}	$I_E = 10$ mA		4.0			V
I_{CES}	$V_{CE} = 32$ V				5.0	mA
h_{FE}	$V_{CE} = 25$ V	$I_C = 1.6$ A	20		120	---
C_C	$V_{CB} = 25$ V	$f = 1.0$ MHz		50		pF
P_G	$V_{CE} = 25$ V	$P_{OUT} = 10$ W $f = 224$ MHz	16			dB

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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