NPN RF POWER TRANSISTOR

DESCRIPTION:

The **ASI BLX94A** is a Common Emitter Device Designed for Class A, B and C Amplifier Applications from 50 to 500 MHz.

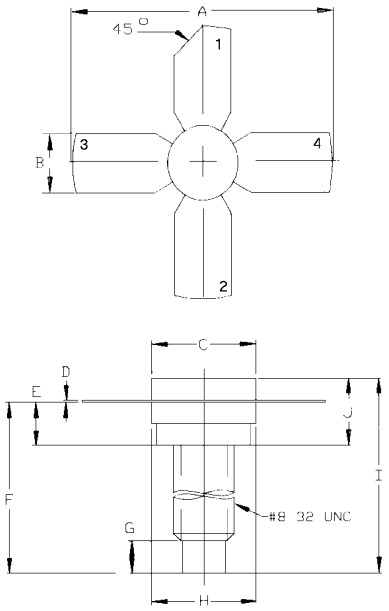
FEATURES INCLUDE:

- High Gain
- Gold Metallization
- Emitter Ballasting

MAXIMUM RATINGS

I_C	2.5 mA
V_{CBO}	65 V
P_{DISS}	60 W @ T_C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	4.0 °C/W

PACKAGE STYLE .280 4L STUD



	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	.275/6,99	.285/7,24
I	.640/16,26	
J	.175/4,45	.21/75,51

1 = COLLECTOR 2=BASE
3 & 4 = EMITTER

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{CES}	I_C = 25 mA	65			V
V_{CEO}	I_C = 100 mA	30			V
V_{BEO}	I_E = 10 mA	4.0			V
I_{CES}	V_{CE} = 30 V			10	mA
h_{FE}	V_{CE} = 5.0 V I_C = 1.5 A	15	50		---
C_{OB}	V_{CB} = 28 V f = 1.0 MHz		33		pF
P_G	V_{CE} = 28 V P_{OUT} = 25 W f = 470 MHz	6.5			dB
η_C		55			%

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