查询BLX14供应商 捷多邦，专业PCB打样工厂，24小时加急出货



# NPN SILICON RF POWER TRANSISTOR

## DESCRIPTION:

The **ASI BLX14** is Designed for HF and VHF band applications.

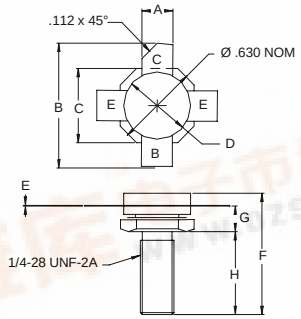
## FEATURES:

- $P_G$ = 13 dB min. at 15 W/1.6 MHz
- $d_3$ = -40 dB typ. at 15 W(PEP)
- ***Omnigold***™ Metalization System

## MAXIMUM RATINGS

| | |
|---|---|
| $I_C$ | 4.0 A |
| $V_{CBO}$ | 85 V |
| $V_{EBO}$ | 4.0 V |
| $V_{CEO}$ | 36 V |
| $P_{DISS}$ | 88 W @ $T_C$ = 25 °C |
| $T_J$ | -65 °C to +200 °C |
| $T_{STG}$ | -65 °C to +200 °C |
| $\theta_{JC}$ | 1.99 °C/W |

## PACKAGE STYLE .500 4L STUD (A)




| DIM | MINIMUM inches / mm | MAXIMUM inches / mm |
|---|---|---|
| A | .220 / 5.59 | .230 / 5.84 |
| B | | 1.050 / 26.67 |
| C | .545 / 13.84 | .555 / 14.10 |
| D | .495 / 12.57 | .505 / 12.83 |
| E | .003 / 0.08 | .007 / 0.18 |
| F | | .830 / 21.08 |
| G | .185 / 4.70 | .198 / 5.03 |
| H | .497 / 12.62 | .530 / 13.46 |

## CHARACTERISTICS $T_C$ = 25 °C

| SYMBOL | TEST CONDITIONS | | | MINIMUM | TYPICAL | MAXIMUM | UNITS |
|---|---|---|---|---|---|---|---|
| $BV_{CBO}$ | $I_C$ = 25 mA | | | 85 | | | V |
| $BV_{CER}$ | $I_C$ = 25 mA | $R_{BE}$ = 5.0 Ω | | 85 | | | V |
| $BV_{CEO}$ | $I_C$ = 50 mA | | | 36 | | | V |
| $BV_{EBO}$ | $I_E$ = 10 mA | | | 4.0 | | | V |
| $h_{FE}$ | $V_{CE}$ = 6.0 V | $I_C$ = 1.4 A | | 15 | | 100 | --- |
| $f_T$ | $V_{CE}$ = 20 V | $I_C$ = 3.0 A | | | 250 | | MHz |
| $C_C$ | $V_{CB}$ = 30 V | | f = 1.0 MHz | | 115 | 125 | pF |
| $G_P$ | $V_{CE}$ = 28 V<br>f = 1.6 MHz | $I_{CQ}$ =2.0 A | $P_{OUT}$ = 15 W(PEP) | 13 | | | dB |
| $d_3$ | | | | | -40 | | dB |