

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI BLW96** is Designed for High Linearity Class A, AB HF Power Amplifier Applications up to 30 MHz.

FEATURES:

- $P_E = 14$ dB Typical at 200 W/28 MHz
- $IMD_3 = -32$ dBc Typ. at 220 W(PEP)
- **Omnigold™** Metalization System

MAXIMUM RATINGS

| | |
|---------------|---------------------------------|
| I_C | 12 A |
| V_{EES} | 110 V |
| V_{CEO} | 55 V |
| V_{EBO} | 4.0 V |
| P_{DISS} | 320 W @ $T_C = 25^\circ C$ |
| T_J | $-65^\circ C$ to $+200^\circ C$ |
| T_{STG} | $-65^\circ C$ to $+150^\circ C$ |
| θ_{JC} | $0.7^\circ C/W$ |

PACKAGE STYLE .500 4L FLG

| DIM | MINIMUM inches / mm | MAXIMUM inches / mm |
|-----|------------------------|------------------------|
| A | .220 / 5.59 | .230 / 5.84 |
| B | | .125 / 3.18 |
| C | .245 / 6.22 | .255 / 6.48 |
| D | .720 / 18.28 | .730 / 18.54 |
| E | | .125 / 3.18 |
| F | .970 / 24.64 | .980 / 24.89 |
| G | .495 / 12.57 | .505 / 12.83 |
| H | .003 / 0.08 | .007 / 0.18 |
| I | .090 / 2.29 | .110 / 2.79 |
| J | .150 / 3.81 | .175 / 4.45 |
| K | | .280 / 7.11 |
| L | .980 / 24.89 | 1.050 / 26.67 |

ORDER CODE: ASI10826

CHARACTERISTICS $T_C = 25^\circ C$

| SYMBOL | TEST CONDITIONS | MINIMUM | TYPICAL | MAXIMUM | UNITS |
|------------|--|---------|---------|---------|-------|
| BV_{CES} | $I_C = 50$ mA | 110 | | | V |
| BV_{CEO} | $I_C = 200$ mA | 55 | | | V |
| BV_{EBO} | $I_E = 20$ mA | 4.0 | | | V |
| I_{CES} | $V_{CE} = 55$ V | | | 10 | mA |
| h_{FE} | $V_{CE} = 5.0$ V $I_C = 7.0$ A | 15 | | 50 | --- |
| V_{CE} | $I_C = 20$ A $I_C = 4.0$ A | | | 1.9 | V |
| C_C | $V_{CB} = 50$ V $f = 1.0$ MHz | | 280 | | pF |
| G_P | $V_{CE} = 50$ V $I_{CQ} = 100$ mA $P_{OUT} = 200$ W(PEP) | 13.5 | | -30 | dB |
| IMD_3 | | | | | dBc |
| η_C | | 40 | | | % |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF MOSFET Transistors](#) category:

Click to view products by [Advanced Semiconductor](#) manufacturer:

Other Similar products are found below :

[MRF492](#) [MRFE8VP8600HR5](#) [ARF1511](#) [ARF465BG](#) [BF 2030 E6814](#) [BLF861A](#) [MRF150J](#) [DU1215S](#) [DU28200M](#) [UF28100M](#) [DU2820S](#)
[MHT1008NT1](#) [MMRF1014NT1](#) [MRF426](#) [ARF468BG](#) [MAPHST0045](#) [MRFE6VP61K25NR6](#) [DU2860U](#) [VRF152GMP](#) [MRFE6VP5300NR1](#)
[BF2040E6814HTSA1](#) [MRFE6VP5150GNR1](#) [LET9060S](#) [MRF136Y](#) [BF999E6327HTSA1](#) [SD2931-12MR](#) [BF998E6327HTSA1](#)
[AFV10700HR5](#) [MRF141](#) [MRF171](#) [MRF172](#) [MRF174](#) [QPD1020SR](#) [BF 1005S E6327](#) [MRF134](#) [MRF136](#) [MRF137](#) [MRF141G](#) [MRF151A](#)
[MRF151G](#) [MRF157](#) [MRF158](#) [MRF160](#) [MRF171A](#) [MRF173](#) [MRF177](#) [UF2840G](#) [TGF3021-SM](#) [ARF1510](#) [ARF448BG](#)