

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI BLW98** is Designed for use in UHF amplifier applications up to 860 MHz.

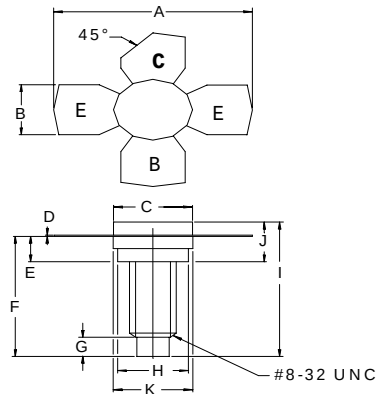
FEATURES:

- $P_G = 16.5$ dB Typical at 860 MHz
- Common Emitter
- **Omnigold™** Metallization System

MAXIMUM RATINGS

I_C	2.0 A
V_{CB}	50 V
P_{DISS}	21.5 W @ $T_C = 70^\circ\text{C}$
T_J	-65°C to $+200^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$
θ_{JC}	6.0°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: ASI10762

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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 27$ mA	25			V
BV_{CES}	$I_C = 10$ mA	50			V
BV_{EBO}	$I_E = 5.0$ mA	3.5			V
h_{FE}	$V_{CE} = 25$ V $I_C = 850$ mA	15			---
C_C	$V_{CB} = 25$ V $f = 1.0$ MHz		24	30	pF
P_G IMD_1	$V_{CE} = 25$ V $I_C = 850$ mA $f = 860$ MHz $P_{OUT} = 3.5$ W	6.5 -60			dB dBc

Mouser Electronics

Authorized Distributor

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