HF-VHF POWER MOSFET
N-Channel Enhancement Mode

DESCRIPTION:

The **ASI BLF242** is intended for use in 28 VDC large signal Applications.

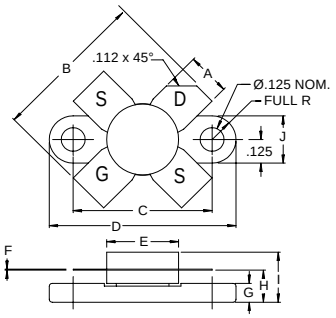
FEATURES INCLUDE:

- P_G = 16 dB Typical at 175 MHz
- ***Omnigold***™ Metalization System
- Class-B

MAXIMUM RATINGS

I_D	1.0 A
V_{DS}	65 V
V_{GS}	±20 V
P_{DISS}	16 W @ $T_{MB} \leq 25$ °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	11 °C/W

PACKAGE STYLE .380 4L FLG



DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	.220 / 5.59	.230 / 5.84
B	.785 / 19.94	
C	.720 / 18.29	.730 / 18.54
D	.970 / 24.64	.980 / 24.89
E		.385 / 9.78
F	.004 / 0.10	.006 / 0.15
G	.085 / 2.16	.105 / 2.67
H	.160 / 4.06	.180 / 4.57
I		.280 / 7.11
J	.240 / 6.10	.255 / 6.48

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{DSS}	I_D = 100 µA			65			V
I_{DSS}	V_{DS} = 28 V	V_{GS} = 0 V				10	µA
I_{GSS}	V_{DS} = 0 V	V_{GS} = ±20 V				1.0	µA
$V_{GS(th)}$	I_D = 3.0 mA	V_{DS} = 10 V		2.0		4.5	V
g_{fs}	I_D = 300 mA	V_{DS} = 10 V		.16	0.24		mho
R_{DSon}	I_D = 300 mA	V_{DS} = 1.0 V			3.3	5	Ω
I_{DSX}	V_{GS} = 10 V	V_{GS} = 10 V			1.2		A
C_{is} C_{os} C_{rs}	V_{DS} = 28 V	V_{GS} = 0 V	f = 1.0 MHz		13 9.4 1.7		pF