NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI HF8-28F** is a common Emitter transistor, designed for broadband amplifier operations in military, commercial and amateur communication equipment.

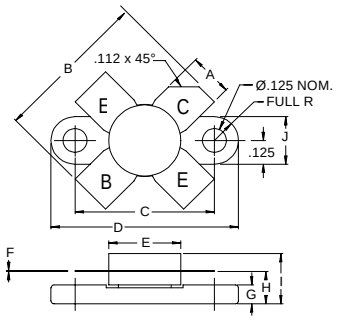
FEATURES:

- P_G = 21 dB min. at 8 W/30 MHz
- IMD_3 = -30 dBc max. at 8 W(PEP)
- ***Omnigold***™ Metalization System

MAXIMUM RATINGS

I_C	1.0 A
V_{CBO}	65 V
V_{CEO}	35 V
V_{CES}	65 V
V_{EBO}	4.0 V
P_{DISS}	13.0 W @ T_C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	13.5 °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

ORDER CODE: ASI10600

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	I_C = 200 mA			35			V
BV_{CES}	I_C = 200 mA			65			V
BV_{CBO}	I_C = 200 mA			65			V
BV_{EBO}	I_E = 10 mA			4.0			V
I_{CBO}	V_{CB} = 30 V					1.0	mA
h_{FE}	V_{CE} = 5.0 V	I_C = 200 mA		5.0		---	---
C_{OB}	V_{CB} = 30 V		f = 1.0 MHz			15	pF
G_P	V_{CC} = 28 V	P_{IN} = 1.0 W	f = 150 MHz	10		---	dB
P_{OUT}				10			W