NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI CD6105A** is Designed for Class C Amplifiers in 225 to 400 MHz Military Communication Equipment.

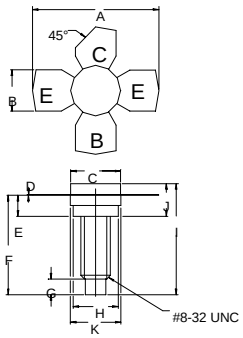
FEATURES:

- P_G = 7.8 dB Typical at 400 MHz
- Economical .280" Stud Package
- ***Omnigold***™ Metalization System

MAXIMUM RATINGS

I_C	5.0 A
V_{CES}	65 V
V_{EBO}	4.0 V
P_{DISS}	70 W @ T_C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	2.5 °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

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CES}	I_C = 10 mA			65			V
BV_{EBO}	I_E = 5.0 mA			4.0			V
I_{CBO}	V_{CB} = 30 V					3.0	mA
h_{FE}	V_{CE} = 5.0 V	I_C = 500 mA		10		120	---
C_{OB}	V_{CB} = 28 V		f = 1.0 MHz		35	40	pF
P_G η	V_{CC} = 28 V	P_{OUT} = 30 W	f = 400 MHz	7.8 60	65		dB %

Specifications are subject to change without notice.