NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI UML5** is Designed for High Power Class C Amplifier in, 225 to 400 MHz Military Communication Equipment.

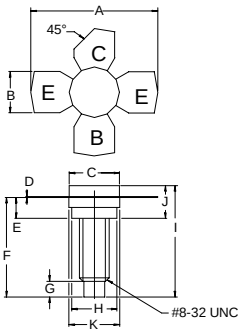
FEATURES:

- Class C Operation
- P_G = 10 dB at 5.0 W/400 MHz
- ***Omnigold***™ Metalization System

MAXIMUM RATINGS

I_C	10 A
V_{CB}	60 V
V_{CE}	35 V
P_{DISS}	140 W @ T_C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	11 °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: ASI10692

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	I_C = 50 mA			35			V
BV_{CER}	I_C = 50 mA	R_{BE} = 10 Ω		60			V
BV_{EBO}	I_E = 10 mA			4.0			V
I_{CES}	V_E = 28 V					5.0	mA
h_{FE}	V_{CE} = 5.0 V	I_C = 1.0 A		10		100	---
C_{ob}	V_{CB} = 28 V		f = 1.0 MHz			10	pF
P_G η_D	V_{CC} = 28 V	P_{OUT} = 5.0 W	f = 400 MHz	10	 60		dB %