NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI ULBM2TE** is Designed for Class C, FM Land Mobile Applications up to 470 MHz.

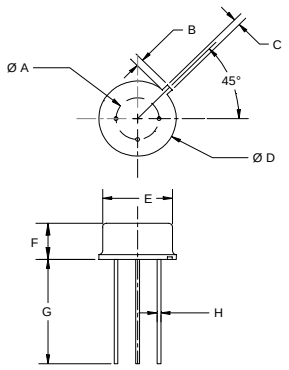
FEATURES:

- Common Emitter
- P_G = 8.0 dB at 2.0 W/470 MHz
- ***Omnigold***™ Metalization System

MAXIMUM RATINGS

I_C	0.40 A
V_{CBO}	36 V
V_{CEO}	16 V
V_{EBO}	4.0 V
P_{DISS}	5 W @ T_C = 25°C
T_J	-65 °C to +200°C
T_{STG}	-65 °C to +150 °C
θ_{JC}	35 °C/W

PACKAGE STYLE TO-39GE



DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	.200 / 5.080	
B	.029 / 0.740	.045 / 1.140
C	.028 / 0.720	.034 / 0.860
D	.355 / 9.020	.370 / 9.370
E	.315 / 8.010	.335 / 8.500
F	.165 / 4.200	.180 / 4.570
G	.500 / 12.700	.750 / 19.050
H	.016 / 0.410	.020 / 0.508

ORDER CODE: ASI10679

CHARACTERISTICS $T_C = 25^oC$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	I_C = 50 mA	16			V
BV_{CES}	I_C = 50 mA R_{BE} = 10 Ω	36			V
BV_{EBO}	I_E = 1.0 mA	4.0			V
I_{CBO}	V_{CB} = 15 V			1.0	mA
h_{FE}	V_{CE} = 5.0 V I_C = 50 mA	20		200	---
C_{ob}	V_{CB} = 12.5 V f = 1.0 MHz			10	pF
P_G	V_{CE} = 12.5 V P_{OUT} = 2.0 W f = 470 MHz	8.0			dB
η_C			55		%