NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI UML15** is Designed for

FEATURES:

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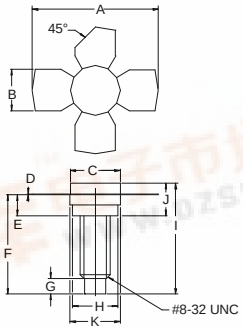
- ***Omnigold***™ Metalization System

MAXIMUM RATINGS

I_C	1.59 A
V_{CBO}	65 V
V_{CES}	65 V
V_{EBO}	3.5 V
P_{DISS}	31.8 W @ T_C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	5.5 °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

ORDER CODE: ASI10693

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	I_C = 5 mA	65			V
BV_{CES}	I_C = 10 mA	65			V
BV_{CEO}	I_C = 5 mA	20			V
BV_{EBO}	I_E = 5 mA	3.5			V
I_{CBO}	V_{CB} = 40 V			1.0	mA
h_{FE}	V_{CE} = 5.0 V I_C = 800 mA	20		200	---
C_{ob}	V_{CB} = 25 V f = 1.0 MHz			20	pF
P_G	V_{CC} = 28 V P_{OUT} = 15 W f = 400 MHz	10			dB
η_D			60		%