



ASAT10

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The ASI ASAT10 is Designed for

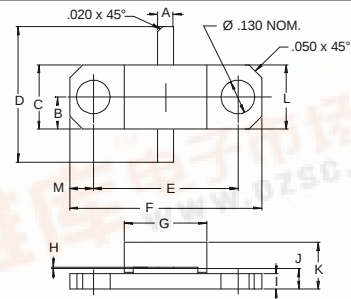
FEATURES:

- Input Matching Network
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	2.3 A
V_{CBO}	45 V
V_{CEO}	15 V
V_{EBO}	3.5 V
P_{DISS}	29 W @ $T_C = 25^\circ\text{C}$
T_J	-65°C to $+200^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$
θ_{JC}	6.0°C/W

PACKAGE STYLE .250 2L FLG(A)



DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	.055 / 1.40	.065 / 1.65
B	.124 / 3.15	
C	.243 / 6.17	.253 / 6.43
D	.635 / 16.13	.665 / 16.89
E	.555 / 14.10	.565 / 14.35
F	.739 / 18.77	.749 / 19.02
G	.315 / 8.00	.325 / 8.26
H	.002 / 0.05	.006 / 0.15
I	.055 / 1.40	.065 / 1.65
J	.075 / 1.91	.095 / 2.41
K		.190 / 4.83
L	.245 / 6.22	.255 / 6.48
M	.092 / 2.34	

ORDER CODE: ASI10517

CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 3.0\text{ mA}$	45			V
BV_{CEO}	$I_C = 3.0\text{ mA}$	12			V
BV_{EBO}	$I_E = 3.0\text{ mA}$	3.5			V
h_{FE}	$V_{CE} = 5.0\text{ V}$ $I_C = 600\text{ mA}$	15		150	---
C_{OB}	$V_{CB} = 28\text{ V}$ $f = 1.0\text{ MHz}$			7.0	pF
P_G η_c	$V_{CC} = 28\text{ V}$ $P_{OUT} = 10\text{ W}$ $f = 1.65\text{ GHz}$	11 45			dB %

