

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI AVD075P** is Designed for

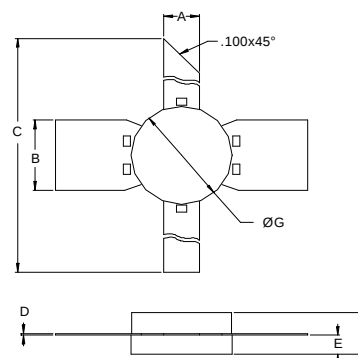
FEATURES:

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- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	6.5 A PEAK
V_{CB}	55 V
P_{DISS}	250 W PEAK
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	0.7 °C/W

PACKAGE STYLE .280 4L PILL (A)



DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	.095 / 2.41	.105 / 2.67
B	.195 / 4.95	.205 / 5.21
C	1.000 / 25.40	
D	.004 / 0.10	.007 / 0.18
E	.050 / 1.27	.065 / 1.65
F		.145 / 3.68
G	.275 / 6.99	.285 / 7.21

ORDER CODE: ASI10561

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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	I _C = 10 mA	65			V
BV_{CER}	I _C = 10 mA R _{BE} = 10 Ω	65			V
BV_{EBO}	I _E = 1 mA	3.5			V
I_{CES}	V _{CE} = 50 V			6.25	mA
h_{FE}	V _{CE} = 5.0 V I _C = 500 mA	15		120	---
P_G	V _{CC} = 50 V P _{OUT} = 75 W f = 1025 - 1150 MHz	7.5			dB
η_C		35			%