

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

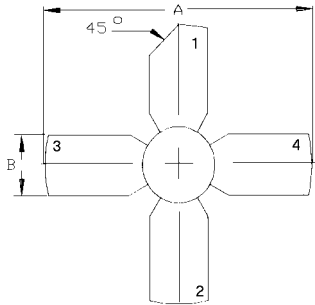
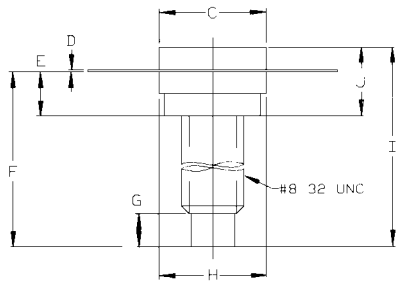
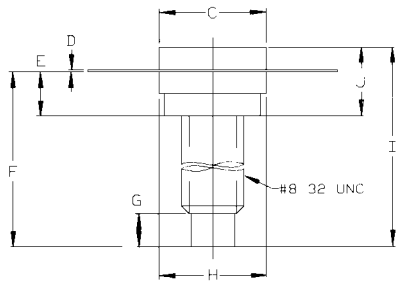
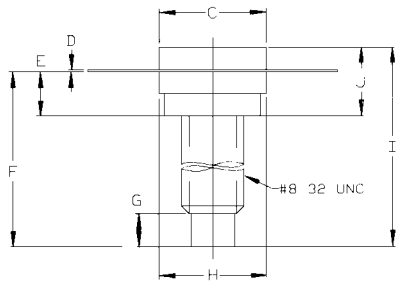
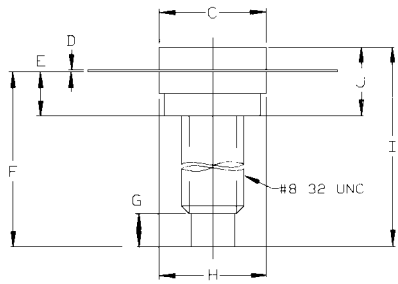
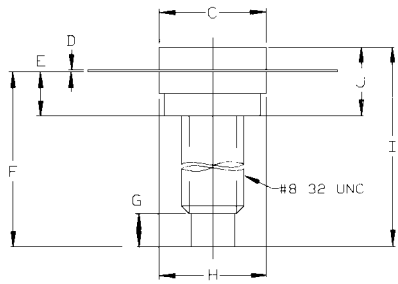
The **ASI UMIL20** is a Common Emitter Device Designed for Class A , AB and C Amplifier Applications in the 225 to 400 MHz Military Communications Band.

FEATURES:

- Direct Replacement for **MRF323**
- $P_G = 12$ dB Typical at 400 MHz
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	2.5 A
V_{CBO}	65 V
P_{DISS}	35 W @ $T_C = 25^\circ\text{C}$
T_J	-65°C to $+200^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$
q_{JC}	5.0°C/W

PACKAGE STYLE .280 4L STUD		
	MINIMUM Inches/mm	MAXIMUM Inches/mm
	A	1.010/25,65
	B	.220/5,59
	C	.270/6,86
	D	.003/0,08
	E	.117/2,97
	F	.5/2/14,53
	G	.130/3,30
	H	.275/6,99
	I	.640/16,26
	J	.175/4,45
		.21/75,51
1 = Collector 2 = Base 3 & 4 = Emitter		
ORDER CODE: ASI10494		

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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 20$ mA	65			V
BV_{CER}	$I_C = 20$ mA $R_{BE} = 200 \Omega$	33			V
BV_{EBO}	$I_E = 20$ mA	3.5			V
I_{CBO}	$V_{CB} = 30$ V			2.0	mA
h_{FE}	$V_{CE} = 5$ V $I_C = 1.0$ A	20		200	---
C_{OB}	$V_{CB} = 28$ V $f = 1.0$ MHz			20	pF
P_G	$V_{CE} = 28$ V $P_{OUT} = 20$ W $f = 400$ MHz	10	12		dB
h_c		50			%