

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

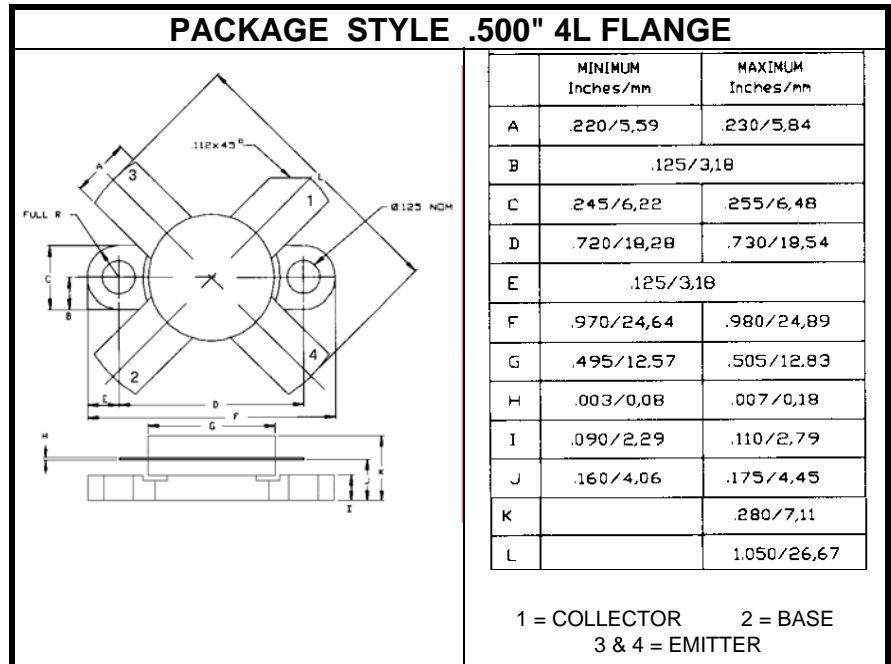
The **ASI MRF464** is Designed for 28 Volt Power Amplifier Applications up to 30 MHz.

FEATURES INCLUDE:

- $P_G = 15$ dB Min. @ 30MHz & 80W
- Common Emitter

MAXIMUM RATINGS

I_C	10 A
V_{CB}	65 V
V_{CE}	35 V
V_{EB}	2.5 V
P_{DISS}	250 W @ $T_C = 25^\circ\text{C}$
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	0.7 °C/W


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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CES}	$I_C = 100$ mA	65			V
BV_{CEO}	$I_C = 100$ mA	35			V
BV_{EBO}	$I_E = 10$ mA	2.5			V
I_{CES}	$V_{CE} = 28$ V			10	mA
h_{FE}	$V_{CE} = 5.0$ V $I_C = 5.0$ A	10		200	---
C_{OB}	$V_{CB} = 28$ V $f = 1.0$ MHz			200	pF
G_{PE}	$V_{CC} = 28$ V $f = 30.000$ & 30.001 MHz	15			dB
η_C		$P_{OUT} = 80$ W(PEP)	40		%