

# NPN SILICON RF POWER TRANSISTOR

**DESCRIPTION:**

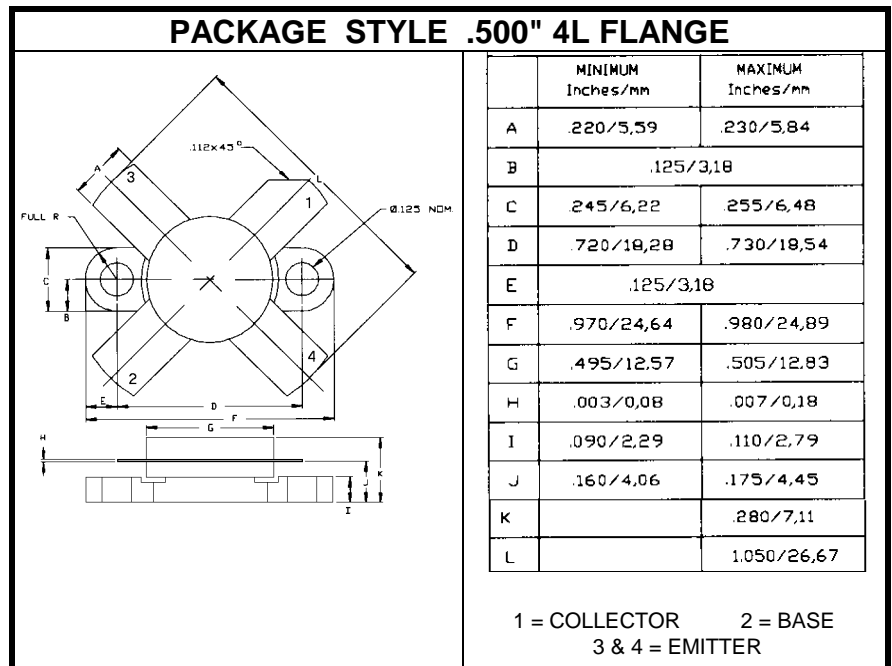
The **ASI MRF464** is Designed for 28 Volt Power Amplifier Applications up to 30 MHz.

**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
$V_{EB}$	4.0 V
$P_{DISS}$	250 W @ $T_C = 25^\circ C$
$T_J$	-65 °C to +200 °C
$T_{STG}$	-65 °C to +150 °C
$\theta_{JC}$	0.7 °C/W


**CHARACTERISTICS**  $T_C = 25^\circ C$ 

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$BV_{CES}$	$I_C = 100$ mA	65			V
$BV_{CEO}$	$I_C = 100$ mA	35			V
$BV_{EBO}$	$I_E = 1.0$ mA	4.0			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
$\eta_C$	$P_{OUT} = 80$ W(PEP)	40			%