

# NPN RF POWER TRANSISTOR

**DESCRIPTION:**

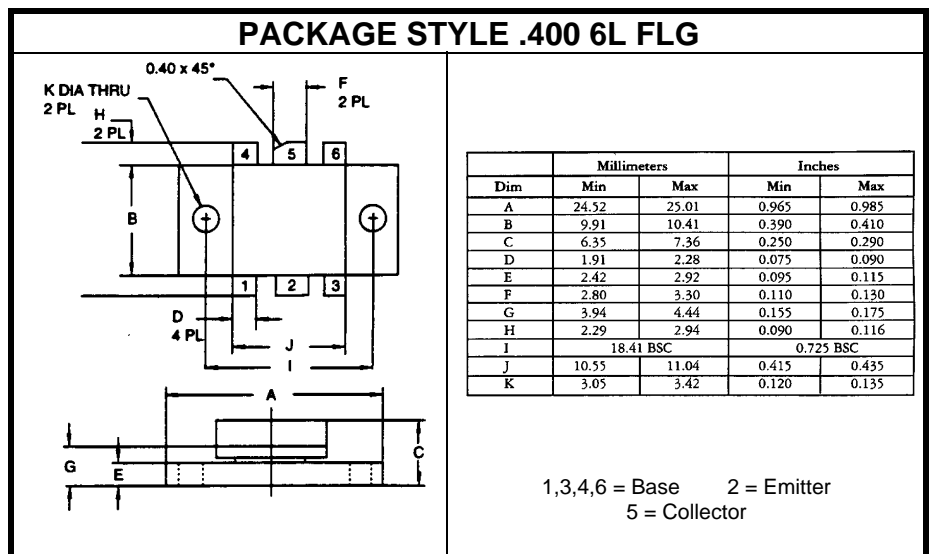
The **ASI MRF898** is a Common Base Device Designed for FM Amplifier Applications in the 800 to 960 MHz Communications Band.

**FEATURES INCLUDE:**

- Input/Output Matching
- Gold Metallization
- Emitter Ballasting

**MAXIMUM RATINGS**

$I_C$	10 A
$V_{CBO}$	50 V
$P_{DISS}$	175 W @ $T_C = 25^\circ\text{C}$
$T_J$	$-55^\circ\text{C}$ to $+200^\circ\text{C}$
$T_{STG}$	$-55^\circ\text{C}$ to $+200^\circ\text{C}$
$\theta_{JC}$	1.0 $^\circ\text{C}/\text{W}$


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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$BV_{CES}$	$I_C = 100\text{ mA}$	55			V
$BV_{CEO}$	$I_C = 100\text{ mA}$	25	30		V
$BV_{EBO}$	$I_E = 5.0\text{ mA}$	3.5			V
$I_{CES}$	$V_{CE} = 30\text{ V}$			10	mA
$h_{FE}$	$V_{CE} = 5.0\text{ V}$ $I_C = 2.0\text{ A}$	20		200	---
$C_{OB}$	$V_{CB} = 24\text{ V}$ $f = 1.0\text{ MHz}$		60		pF
$P_G$ $\eta_C$	$V_{CE} = 24\text{ V}$ $P_{OUT} = 60\text{ W}$ $f = 900\text{ MHz}$	8.0 60	8.5		dB %