

NPN RF POWER TRANSISTOR

DESCRIPTION:

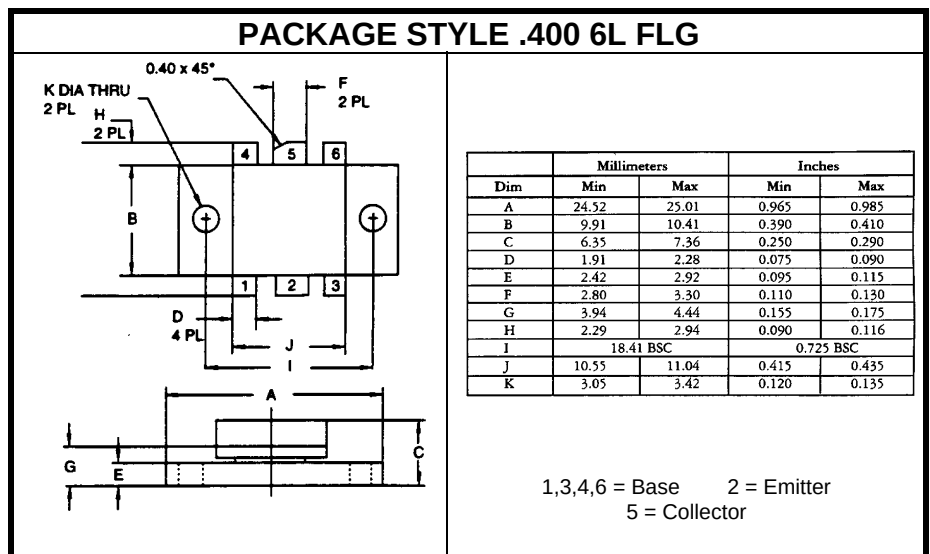
The **ASI MRF898** is a Common Base Device Designed for FM Amplifier Applications in the 800 to 960 MHz Communications Band.

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°C to $+200^\circ\text{C}$
T_{STG}	-55°C to $+200^\circ\text{C}$
θ_{JC}	1.0°C/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 η_C	$V_{CE} = 24\text{ V}$ $P_{OUT} = 60\text{ W}$ $f = 900\text{ MHz}$	8.0 60	8.5		dB %