

NPN RF POWER TRANSISTOR

DESCRIPTION:

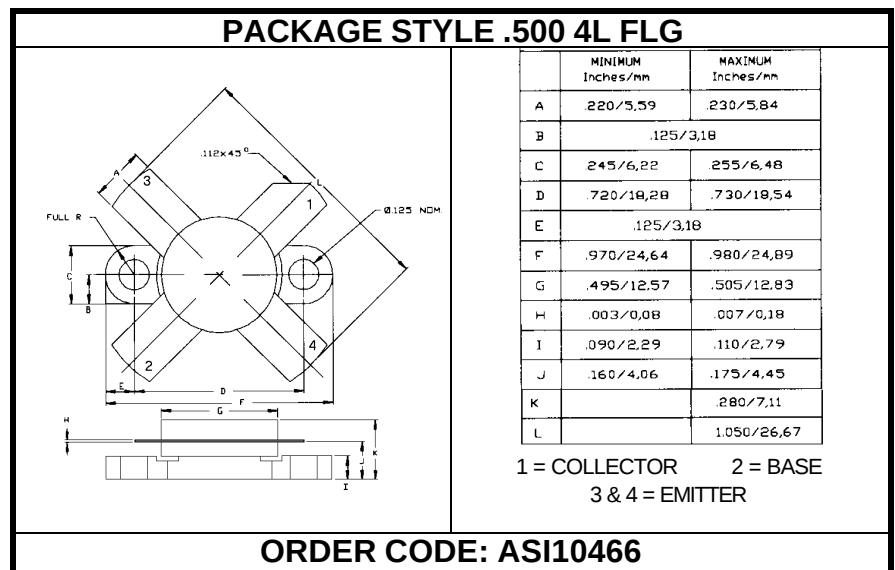
The **ASI HF220-50F** is a Common Emitter Device Designed for SSB Transmitter Applications in the 2 to 30 MHz Band.

FEATURES INCLUDE:

- $P_G = 13$ dB min. @ 30 MHz
- Gold Metallization
- Emitter Ballasting

MAXIMUM RATINGS

I_C	12 A
V_{CBO}	110 V
P_{DISS}	320 W @ $T_C = 25^\circ\text{C}$
T_J	-55 to +200 $^\circ\text{C}$
T_{STG}	-55 to +150 $^\circ\text{C}$
q_{JC}	0.55 $^\circ\text{C/W}$



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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 200$ mA	110			V
BV_{CEO}	$I_C = 200$ mA	55			V
BV_{EBO}	$I_E = 20$ mA	4.0			V
I_{CES}	$V_{CE} = 50$ V			10	mA
h_{FE}	$V_{CE} = 10$ V $I_C = 10$ A	10			---
C_{OB}	$V_{CB} = 50$ V MHz $f = 1.0$		330		pF
P_G IMD_3 h_c	$V_{CE} = 50$ V $I_{CQ} = 150$ mA $f = 30$ MHz $P_{OUT} = 220$ W(PEP)	13 40		-30	dB dBc %