



TP9383

NPN RF POWER TRANSISTOR

DESCRIPTION:

The **ASI TP9383** is a Common Emitter Device Designed for FM Broadcast Transmitter Applications in the 88 to 108 MHz Band.

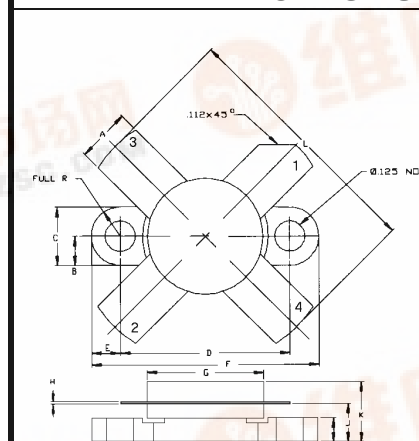
FEATURES INCLUDE:

- High Efficiency
- Gold Metallization
- Emitter Ballasting

MAXIMUM RATINGS

I_C	16 A
V_{CBO}	60 V
P_{DISS}	230 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}	0.75°C/W

PACKAGE STYLE 500 4L FLG



	MINIMUM Inches/mm	MAXIMUM Inches/mm
A	220/5.59	230/5.84
B	.125/3.18	
C	245/6.22	255/6.48
D	720/18.28	730/18.54
E	.125/3.18	
F	.970/24.64	.980/24.89
G	.495/12.57	.505/12.83
H	.003/0.08	.007/0.18
I	.090/2.29	.110/2.79
J	.160/4.06	.175/4.45
K		.280/7.11
L		1.050/26.67

1 = COLLECTOR 2 = BASE
3 & 4 = EMITTER

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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 100\text{ mA}$	60			V
BV_{CER}	$I_C = 5.0\text{ mA}$ $R_{BE} = 10\ \Omega$	55			V
BV_{CEO}	$I_C = 100\text{ mA}$	25			V
BV_{EBO}	$I_E = 20\text{ mA}$	4.0			V
h_{FE}	$V_{CE} = 5.0\text{ V}$ $I_C = 1.0\text{ A}$	20		150	---
C_{OB}	$V_{CB} = 28\text{ V}$ $f = 1.0\text{ MHz}$			150	pF
P_G h_c	$V_{CE} = 28\text{ V}$ $P_{OUT} = 150\text{ W}$ $f = 108\text{ MHz}$	9.2 70	10.0		dB %

