

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

Ic	16 A			
V_{CBO}	60 V			
P _{DISS}	230 W @ T _C = 25 ^O C			
TJ	-55 °C to+200 °C			
T _{STG}	-55 °C to+200 °C			
¶JC	0.75 °C/W			

PACKAGE STYLE 500 4L FLG

	MINIMUM Inches/mm	MAXINUM Inches/mm			
A	.220/5,59	.230/5,84			
В	.125/	3,18			
С	245/6,22	.255/6,48			
D	720/19,28	.730/19,54			
Ε	.125/3,:	.125/3,18			
F	.970/24,64	.980/24,89			
G	.495/12.57	.505/12.83			
н	.003/0,08	.007/0,18			
I	.090/2,29	.110/2,79			
J	.160/4,06	.175/4,45			
к		.280/7,11			
L		1.050/26,67			
= C	COLLECTOR	2 = BASE			

3 & 4 = EMITTER

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV _{CBO}	I _C = 100 mA			60			V
BV _{CER}	$I_{\rm C} = 5.0 \; {\rm mA}$	$R_{BE} = 10 \Omega$		55			V
BV _{CEO}	I _C = 100 mA			25			V
BV _{EBO}	I _E = 20 mA			4.0			V
h _{FE}	V _{CE} = 5.0 V	I _C = 1.0 A		20		150	
СОВ	V _{CB} = 28 V		f = 1.0 MHz			150	pF
P _G	V _{CE} = 28V	P _{OUT} = 150 W	f = 108 MHz	9.2 70	10.0		dB %

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Advanced Semiconductor, Inc.: TP9383