

NPN RF TRANSISTOR

DESCRIPTION:

The **ASI MSC80213** is a Silicon NPN Microwave Transistor Supplied in a Common Base Package, Designed for general purpose Applications up to 2.3 GHz.

FEATURES:

- Hermetically Sealed Package
- Gold Metallization

MAXIMUM RATINGS

I_C	600 mA
V_{CC}	26 V
V_{EB}	3.5 V
P_{DISS}	11.5 W @ T _C = 50 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +200 °C
θ_{JC}	13 °C/W

PACKAGE 230 2L FLG

	Minimum Inches/mm	Maximum Inches/mm
A	.025/0.64	.035/0.89
B	.115/2.92 BSC	
C	.225/5.72	.235/5.97
D	.720/18.29	.750/19.05
E	.110/2.79	.120/3.05
F	.120/3.05 BSC	
G	.555/14.10	.565/14.35
H	.795/20.19	.805/20.45
I	.222/5.64	.236/5.99
J	.165/4.19	.180/4.57
K	.002/0.05	.007/0.18
L	.055/1.40	.067/1.70
M	.120/3.18	.140/3.56
N		.170/4.32

1 = Collector 2 = Emitter
3 = Base

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CER}	I _C = 5.0 mA R _{BE} = 10Ω	44			V
BV_{CBO}	I _C = 1.0 mA	44			V
BV_{EBO}	I _E = 1.0 mA	3.5			V
I_{CBO}	V _{CB} = 22 V			0.5	mA
h_{FE}	V _{CE} = 5.0 V I _C = 250 mA	30		300	
C_{OB}	V _{CB} = 22 V f = 1.0 MHz			5.0	pF
P_{out}		3.8			W
P_G	V _{CC} = 22 V P _{IN} = 0.38 W f = 2.3 GHz	10			Db
η_C		40			%



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