

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

The **ASI MLN2027F** is Designed for

FEATURES:

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- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	300 mA
V_{CE}	20 V
P_{DISS}	--- W
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +200 °C
θ_{JC}	25 °C/W

PACKAGE STYLE .250 2L FLG

DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	.028 / 0.71	.032 / 0.81
B	.740 / 18.80	
C	.245 / 6.22	.255 / 6.48
D	.128 / 3.25	.132 / 3.35
E		.125 / 3.18
F	.110 / 2.79	.117 / 2.97
G		.117 / 2.97
H	.560 / 14.22	.570 / 14.48
I	.790 / 20.07	.810 / 20.57
J	.225 / 5.72	.235 / 5.97
K	.165 / 4.19	.185 / 4.70
L	.003 / 0.08	.007 / 0.18
M	.058 / 1.47	.068 / 1.73
N	.119 / 3.02	.135 / 3.43
P	.149 / 3.78	.187 / 4.75

ORDER CODE: ASI10630

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

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 1\text{ mA}$		50			V
BV_{CEO}	$I_C = 5\text{ mA}$		20			V
BV_{EBO}	$I_E = 1\text{ mA}$		3.5			V
I_{CEO}	$V_{CE} = 18\text{ V}$				0.5	mA
h_{FE}	$V_{CE} = 5.0\text{ V}$	$I_C = 100\text{ mA}$	15		120	---
C_{OB}	$V_{CB} = 28\text{ V}$	$f = 1.0\text{ MHz}$			4.0	pF
P_G	$V_{CE} = 20\text{ V}$ $P_{OUT} = 0.5\text{ W}$	$I_{CQ} = 120\text{ mA}$ $f = 2.0\text{ GHz}$	8.0			dB