

**MOTOROLA**

查询"MRF9382T1PP"供应商

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Product Preview

Silicon Lateral FET, N-Channel Enhancement-Mode MOSFET

Designed for use in low voltage, moderate power amplifiers such as portable analog and digital cellular radios and PC RF modems.

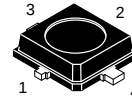
- Performance Specifications at 900 MHz:
 - Output Power = 36.5 dBm Typ
 - Power Gain = 10.5 dB Typ
 - Efficiency = 65% Typ
- Guaranteed Ruggedness at Load VSWR = 10:1
- New Plastic Surface Mount Package

MRF9382T1

**HIGH FREQUENCY
POWER TRANSISTOR
LDMOS FET
36.5 dBm, 900 MHz**

**SEMICONDUCTOR
TECHNICAL DATA**

- Pin 1. Drain
2. Gate
3. Source
4. Source



PLASTIC PACKAGE
CASE 449
(PLD-1, Tape & Reel Only)

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Drain-Source Voltage	V_{DSS}	28	Vdc
Drain-Gate Voltage ($R_{GS} = 1.0 \text{ M}\Omega$)	V_{DGO}	28	Vdc
Gate-Source Voltage	V_{GS}	± 12	Vdc
Drain Current – Continuous	I_D	2.2	Adc
Total Device Dissipation @ $T_C = 50^\circ\text{C}$ Derate above 50°C	P_D	12.5 125	W mW/ $^\circ\text{C}$
Storage Temperature Range	T_{stg}	-65 to 150	$^\circ\text{C}$
Operating Junction Temperature	T_J	150	$^\circ\text{C}$

NOTE: ESD data available upon request.

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Thermal Resistance, Junction-to-Case	$R_{\theta JC}$	8.0	$^\circ\text{C/W}$

ORDERING INFORMATION

Device	Marking	Package
MRF9382T1	9382	PLD-1 Tape & Reel*

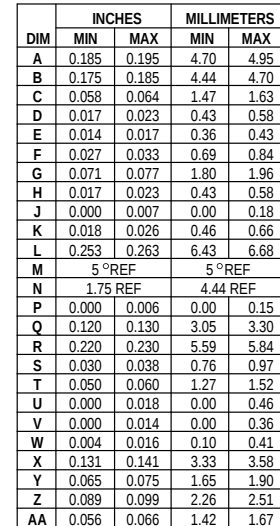
*1,000 Units per 12 mm, 7 inch reel.



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ISSUE A

2. CONTROLLING DIMENSION: INCH.



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