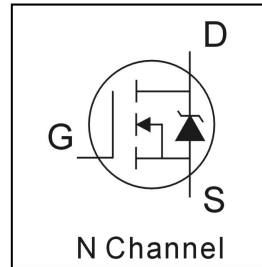


N Channel Power MOSFET

Chip Specification

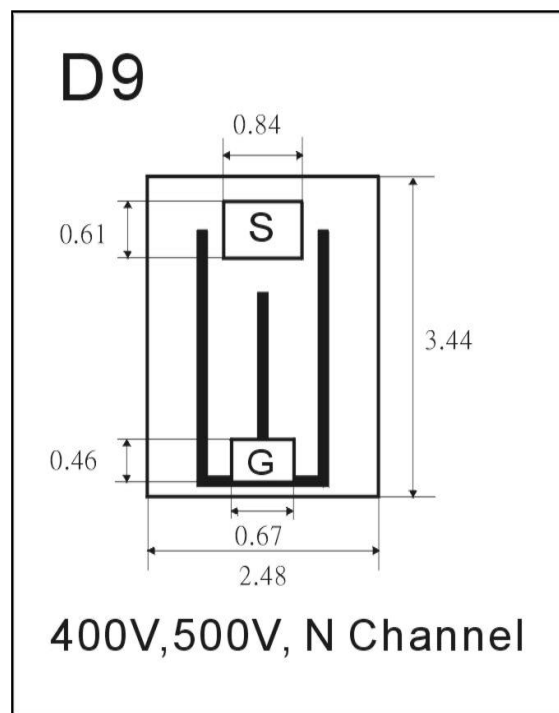
General Description:

- * Advanced Process Technology
- * Dynamic dV/dt Rating
- * **150°C Operating Temperature**
- * **Fast Switching**
- * **Fully Avalanche Rated**



Mechanical Data:

D9	
Dimension	2.48mm x 3.44mm
Thickness:	400 μm
Metallization:	
Top :	Al
Backside :	CrNiAg / Au
Suggested Bonding Conditions:	
Die Mounting:	Solder Perform
95/5 PbSn or 92.5/2.5/5 PbAgIn	
Source Bonding Wire:	8 mil Al



Absolute Maximum Rating

@Ta=25°C

Characteristics	Symbol	Limit	Unit	Test Conditions
Drain-to-Source Breakdown Voltage	V(BR)DSS	500	V	VGS=0V, ID=250μA
Static Drain-to - Source On-resistance	RDS(ON)	3	Ω	VGS=10V, ID=1.25A
Continuous Drain current (in target package)	ID@25°C	2.5	A	VGS=10V
Continuous Drain current (in target package)	ID@100°C	1.6	A	VGS=10V
Operation Junction	Tj	-55~150	°C	
Storage Temperature	TSTR	-55~150	°C	

Target Device: IRF820

TO-220AB

Pd

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W

@Tc=25°C

