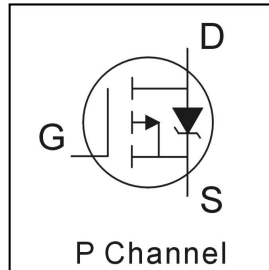


P Channel Power MOSFET

Chip Specification

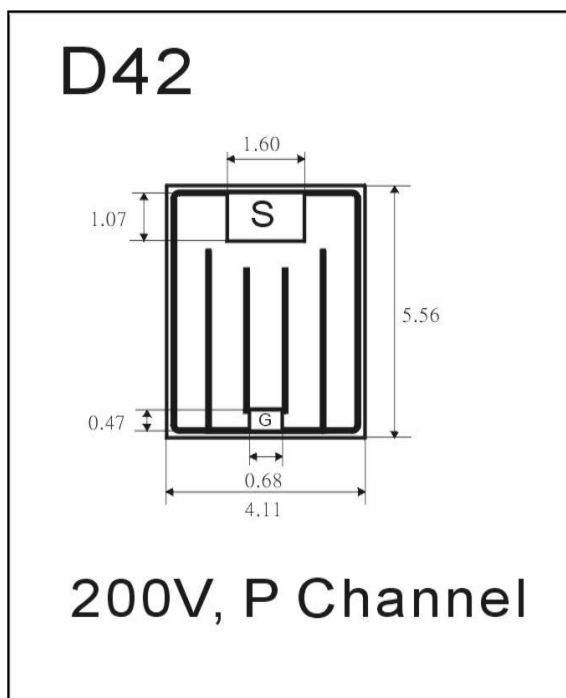
General Description:

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



Mechanical Data:

D42	
Dimension	4.11mm x 5.56mm
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:	15 mil Al



Absolute Maximum Rating

@Ta=25°C

Characteristics	Symbol	Limit	Unit	Test Conditions
Drain-to-Source Breakdown Voltage	-V(BR)DSS	200	V	- VGS=0V, -ID=250μA
Static Drain-to - Source On-resistance	RDS(ON)	0.5	Ω	- VGS=10V, - ID=5.5A
Continuous Drain current (in target package)	-ID@25°C	11	A	- VGS=10V
Continuous Drain current (in target package)	-ID@100°C	6.8	A	- VGS=10V
Operation Junction Temperatre	Tj	-55~150	°C	
Storage Temperature	TSTR	-55~150	°C	

Target Device: IRF9640

TO-220AB

PD

125

W

@Tc=25°C

