

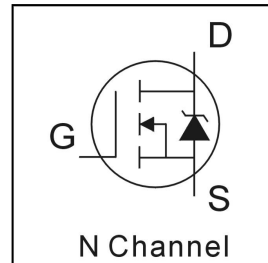
Gunter Semiconductor GmbH **GFCG40**

N Channel High voltage, Power MOSFET

Chip Specification

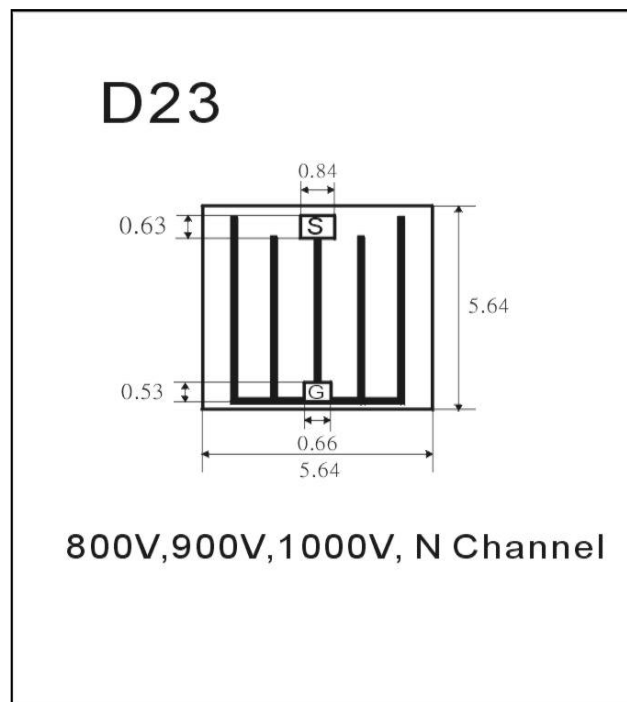
General Description:

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



Mechanical Data:

D23	
Dimension	5.64mm x 5.64mm
Thickness:	480 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:	10 mil Al



Absolute Maximum Rating

@Ta=25°C

Characteristics	Symbol	Limit	Unit	Test Conditions
Drain-to-Source Breakdown Voltage	V(BR)DSS	1000	V	V _{GS} =0V, I _D =250μA
Static Drain-to - Source On-resistance	RDS(ON)	3.5	Ω	V _{GS} =10V, I _D =2.6A
Continuous Drain current (in target packag	ID@25°C	4.3	A	V _{GS} =10V
Continuous Drain current (in target packag	ID@100°C	2.7	A	V _{GS} =10V
Operation Junction	T _j	-55~150	°C	
Storage Temperature	TSTR	-55~150	°C	

Target Device: IRFG40

TO-247AC

Pd 150 W

@Tc=25°C

