

Gunter Semiconductor GmbH

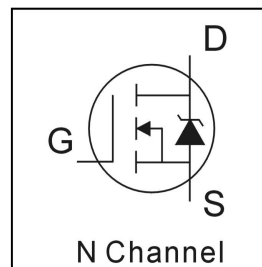
GFC064

N Channel Power MOSFET with extremely low RDS(ON)

Chip Specification

General Description:

- * Advanced Process Technology
- * Dynamic dV/dt Rating
- * **175°C Operating Temperature**
- * **Fast Switching**
- * **Fully Avalanche Rated**
- * **extremely low RDS(ON)**



Mechanical Data:

D30

Dimension **6.53mm x 9.14mm**

Thickness: **400 μm**

Metallization:

Top : : **Al**

Backside : **CrNiAg / Au**

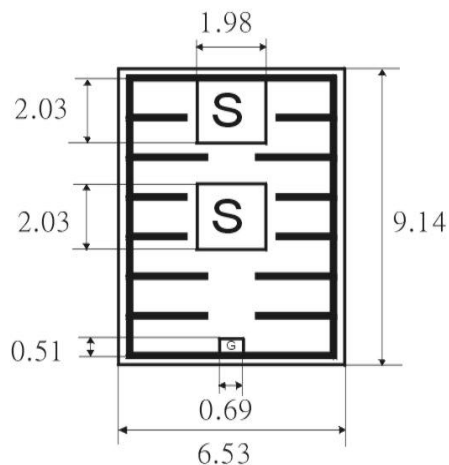
Suggested Bonding Conditions:

Die Mounting: **Solder Perform**

95/5 PbSn or 92.5./2.5/5 PbAgIn

Source Bonding Wire: **25mil Al**

D30



60V, N Channel

Absolute Maximum Rating

@Ta=25°C

Characteristics	Symbol	Limit	Unit	Test Conditions
Drain-to-Source Breakdown Voltage	V(BR)DSS	60	V	VGS=0V, ID=250μA
Static Drain-to - Source On-resistance	RDS(ON)	0.009	Ω	VGS=10V, ID=59A
Continuous Drain current (in target package)	ID@25°C	98	A	VGS=10V
Continuous Drain current (in target package)	ID@100°C	69	A	VGS=10V
Operation Junction	Tj	-55~175	°C	
Storage Temperature	TSTR	-55~175	°C	

Target Device: IRFP064

TO-247AC

PD

150

W

@Tc=25°C

