PRELIMINARY

IRF9953

(Generation V Technology

IUltra Low On-Resistance

Dual P-Channel MOSFET

Surface Mount

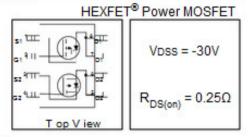
Very Low Gate Charge and Switching Losses

Fully Avalanche Rated

Description

Fifth Generation HEXFETs from International RectifieRecommended upgrade: IRF7306 or IRF7316 utilize advanced processing techniques to achieve extremely low on-resistance per silicon area. This benefit, combined with the fast switching speed and ruggedized device design that HEXFET Power MOSFETs are well known for, provides the designer with an extremely efficient and reliable device for use in a wide variety of applications.

The SO-8 has been modified through a customized leadframe for enhanced thermal characteristics and multiple-die capability making it ideal in a variety of power applications. With these improvements, multiple devices can be used in an application with dramatically reduced board space. The package is designed for vapor phase, infra red, or wave soldering techniques.



S O -8

Absolute Maximum Ratings (T. = 25°C Unless Otherwise Noted)

Symbol	Maximum	Units	
V	-30		
V	±20	V	
	-2.3		
ID	-1.8		
-10		^	
PM	1.6		
	2.0	w	
P0	1.3		
E	57	mJ	
	-1.3	A	
E	0.20	mJ	
oviat	-5.0	V/ns	
T. T	-55 to + 150	.c	
	Symbol Vos Vos Vos Vos Vos Vos Vos V	Symbol Maximum V -30 V -	

Thermal Resistance Ratings

Parameter	Symbol	Limit	Units
Maximum Junction-to-Ambient	Symbol	CO C	Units
Maximum Junction-to-Ambient	Π,	62.5	*C/W