概述

SOP-8 P MOS

Double P-CHANNEL MOSFET in a SOP-8 Plastic Package.

特点

V_{DS}=-60V; I_D=-3.5A

$R_{DS(on)1}$@-10V ≤ 100mΩ(Type.83mΩ)

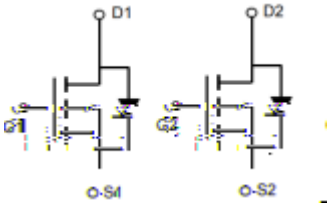
$R_{DS(on)2}$@-4.5V ≤ 130mΩ(Type.100mΩ)

AEC-Q101 Qualified to AEC-Q101 Standards for High Reliability, HF Product.

应用

Power Management in Computer, Portable Equipment and Battery Powered Systems,Load Switches,Motor Control, Meet the stringent requirements of automotive applications.

内部电路图



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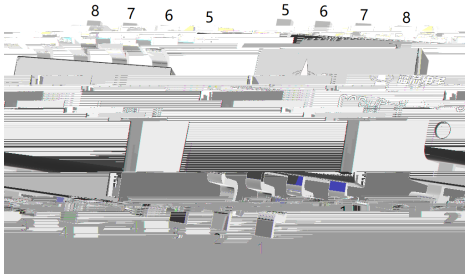

PIN1 S1 PIN 2 G1 PIN 3 S2 PIN 4 G2

PIN 5 D2 PIN 6 D2 PIN 7 D1 PIN 8 D1

标记

See Marking Instructions.

Parameter		Symbol	Rating	Unit
Drain–Source Voltage		V_{DSS}	-60	V
Gate–Body Leakage Voltage		V_{GSS}	±20	V
Drain Current – Continuous		I_D	-3.5	A
Pulsed Drain Current		I_{DM}	-16	A
Power Dissipation		P_D	2	W
Operating and Storage Temperature Range		T_J,T_{STG}	-55 150	
Maximum Junction-to-Ambient	Steady-State	$R_{\theta JA}$	62.5	/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain–Source Breakdown Voltage	$V_{(BR)DSS}$	V_{GS}=0V I_D=-250				

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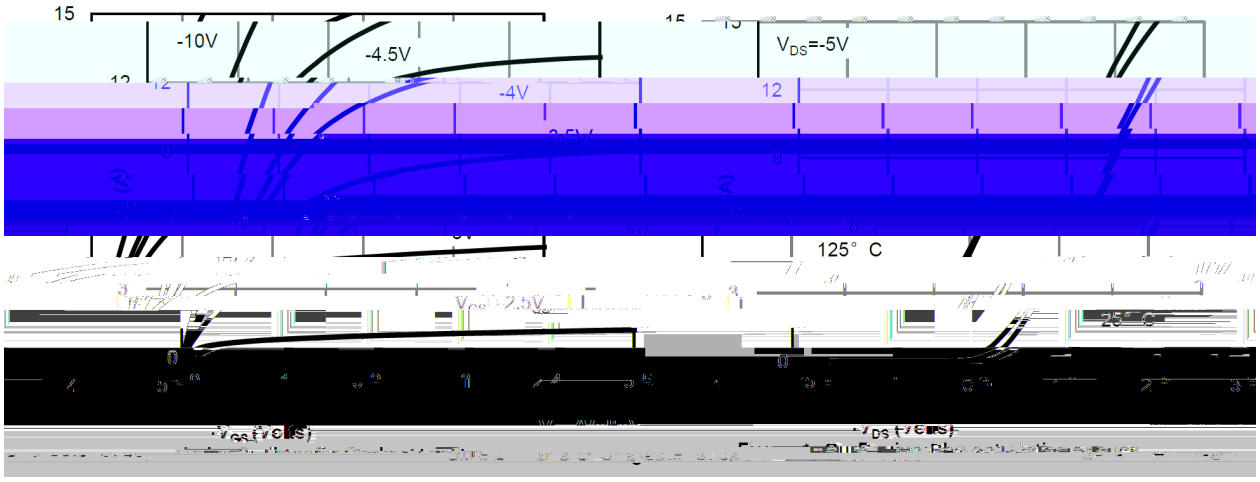

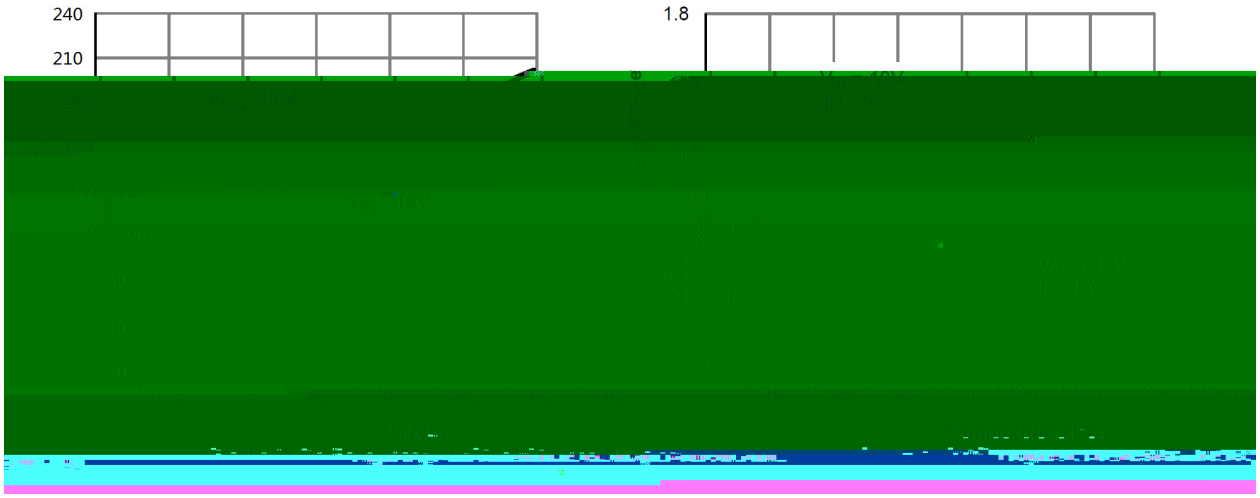

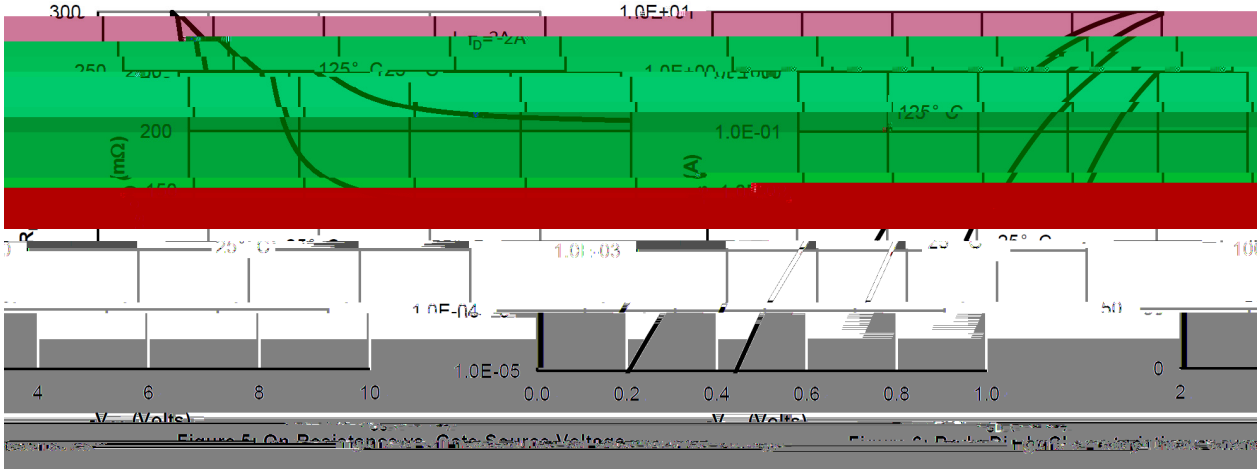

Figure 5: On-Resistance vs. Gate-Source Voltage

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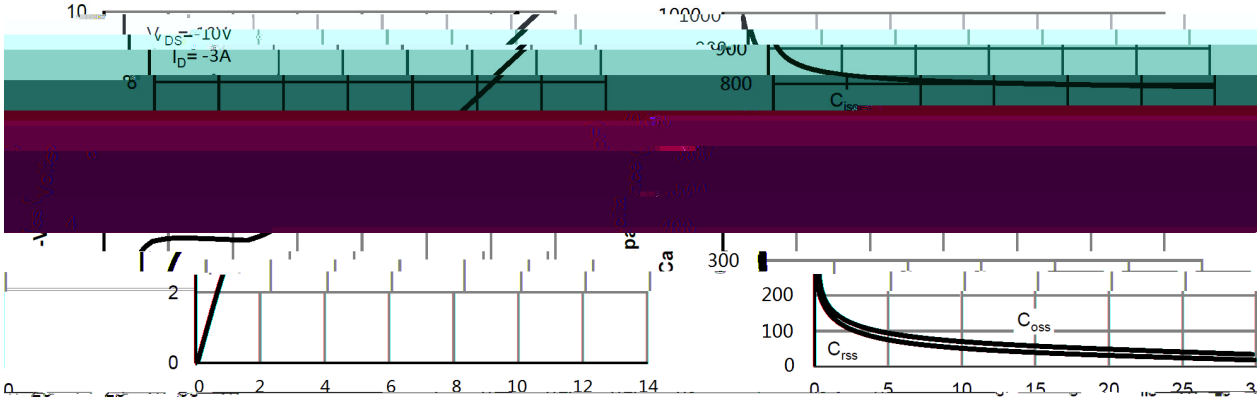
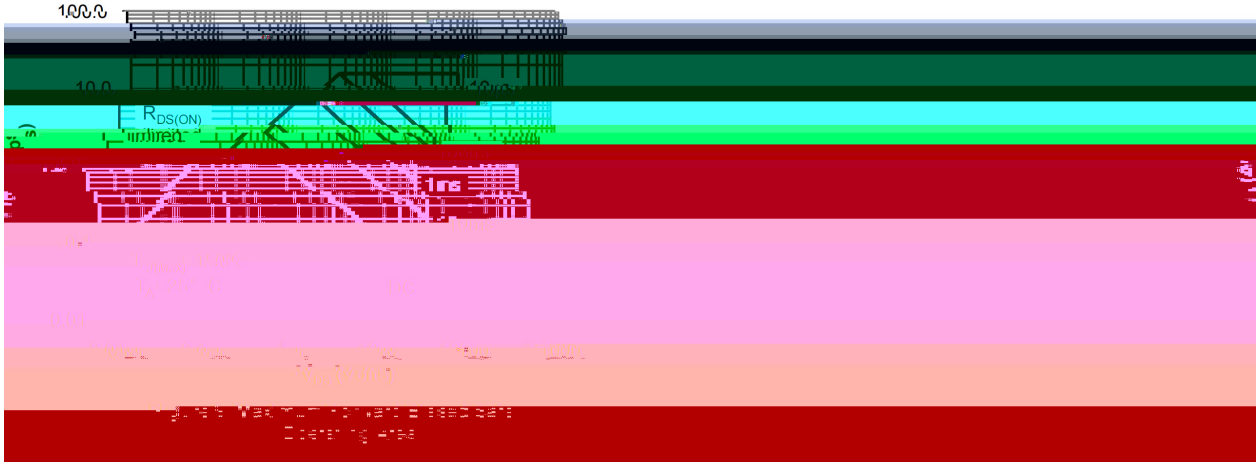
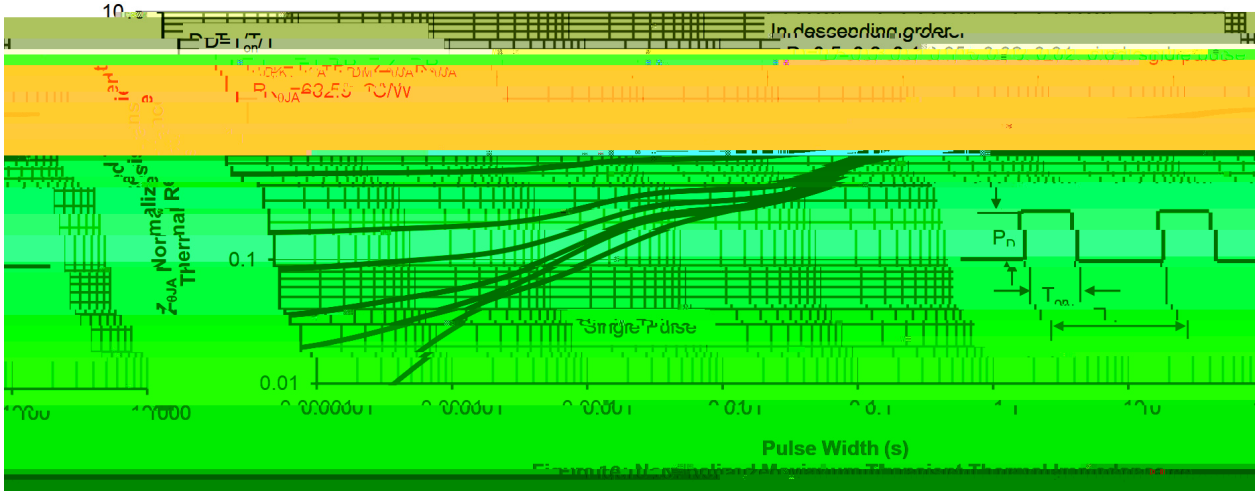
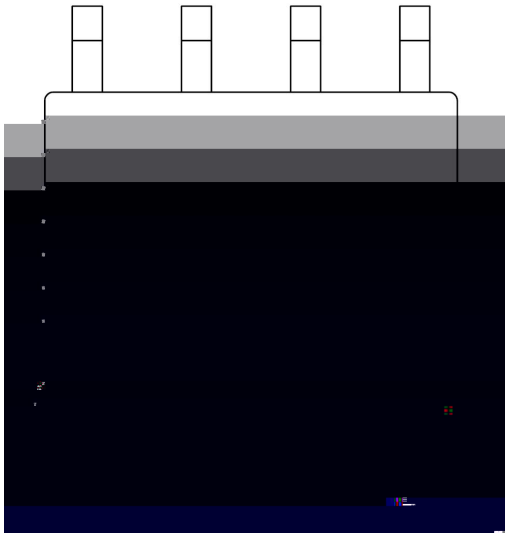


Figure 7: Gate-Charge Characteristics

Figure 8: Capacitance C

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