

General Description

This device has been developed using Trench technology, these products have been designed to minimize on-state resistance and fast switching performance. These products are suited for power-management applications.

Features

- Fast Switching
- Low Input Capacitance
- RoHS Compliant and Halogen Free

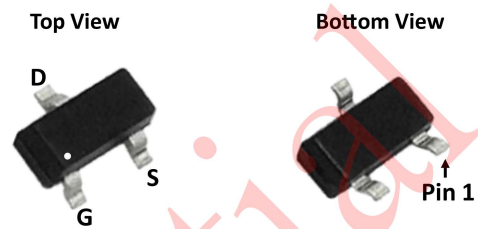
Applications

- Load Switch
- Relay Driver
- High-Speed Driver

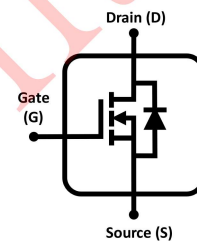
30V N-Channel MOSFETs

$V_{(BR)DSS}$	$R_{DS(ON)}$ Max.	ID
30 V	35 mΩ @ 10 V	5.1 A
	55 mΩ @ 4.5 V	

SOT23-3S



Pin Configuration



Absolute Maximum Ratings (T_J=25°C, unless otherwise noted)

Symbol	Parameter		Value	Unit
V _{DS}	Drain-Source Voltage		30	V
V _{GS}	Gate-Source Voltage		±20	
I _D	Drain Current-Continuous ^A	T _A =25 °C	5.1	A
		T _A =70 °C	4.1	
I _{DM}	Drain Current-Pulsed ^{A, B}	T _A =25°C	20.4	A
P _D	Maximum Power Dissipation	T _A =25 °C	1.56	W
		T _A =70 °C	1.0	
T _J , T _{STG}	Operating and Storage Temperature Range		-55 to +150	°C

Thermal Characteristics

Symbol	Parameter	Conditions	Value	Unit
$R_{\theta JA}$	Junction-to-Ambient ^C	Steady State	80	°C/W