

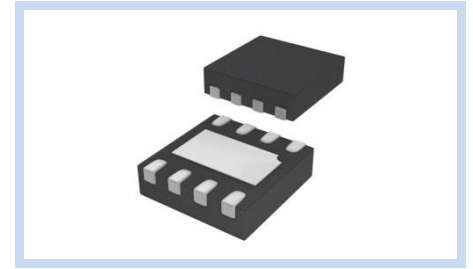
MOSFET DFN3X3 Package

MFT-D33 series

MERITEK

FEATURE

- Operating and Storage Temperature: -55°C ~ +150°C
- Fast Switching Characteristics
- Improved dv/dt Capability



PART NUMBERING SYSTEM

MFT 3 P 30 D331S
 (1) (2) (3) (4) (5)

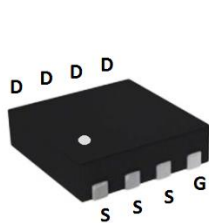


No	Item	Code	Part Description	Series Reference
(1)	Meritek Series	MFT	Meritek MOSFET Series	Surface Mount Type
(2)	Voltage Rating	3	3: 30V	Drain-Source Voltage, 10: 100V
(3)	FET Type	P	P: Single P Channel	N+N: Dual N-Channel
(4)	Current Rating	30	30: 30A	Continuous Drain Current, T _C =25°C
(5)	Internal Code	D331S	Internal Control Reference	Package or Project Reference

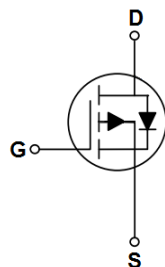
SURFACE MOUNT MOSFET PACKAGE REFERENCE TABLE

Series	FET Type	Channel/ Feature	Continuous Drain Current (I _D) @ 25°C	R _{DS(ON)} Max. @ 4.5 V _{GS}	Power Dissipation (P _D) @25°C	Drain to Source Voltage (V _{DS})
MFT(P)-D33	P	Single	-30A	30 mΩ	27 W	-30
MFT(2N)-D33A	N+N	Dual Asymmetric	19.5A	14 mΩ	27 W	30

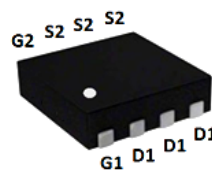
PIN CONFIGURATION



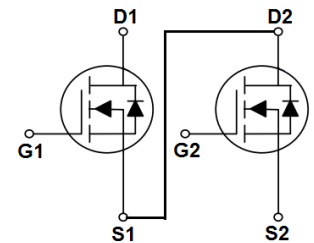
DFN3X3



Single P Type



DFN3X3



Dual N Type Asymmetric

MOSFET

DFN3X3 Package

MFT-D33 series

MERITEK

ELECTRICAL CHARACTERISTICS

MFT(P)-D33 Series - Single P Channel

Part Number	V _{DS} (V)	I _D (A)		V _{GS} (V)	R _{DS(ON)} (mΩ) max. at V _{GS}		Q _g (nC)		CISS (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT3P30D331S	-30	30	19	±20	14.5/18	23/30	-	11	1250	27	-55 ~ +150
MFT3P30D332S	-30	30	19	±20	16/20	26/35	-	11	1250	27	-55 ~ +150

MFT(2N)-D33A Series - Dual N Channel Asymmetric

Part Number	V _{DS} (V)	I _D (A)		V _{GS} (V)	R _{DS(ON)} (mΩ) max. at V _{GS}		Q _g (nC)		CISS (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT32N19A5D33AS	30	19.5	12.3	±20	8.5/10.5	11/14	15.6	-	620	27	-55 ~ +150

Note:

1. TA=25°C unless otherwise specified. 2. PD is Power Dissipation Derate above 25°C.
- *Specifications subject to change without notice.