

MOSFET

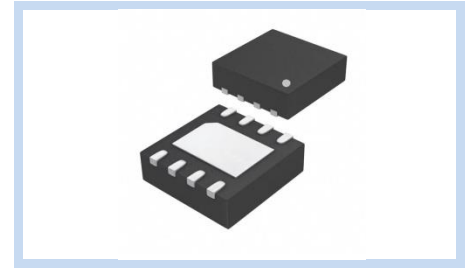
DFN2X3-8 Package

MFT-D238 series

MERITEK

FEATURE

- Operating and Storage Temperature: -50°C ~ +150°C
- Fast Switching Characteristics
- Improved dv/dt Capability



PART NUMBERING SYSTEM

MFT 2 NP 3A8 D238S
 (1) (2) (3) (4) (5)

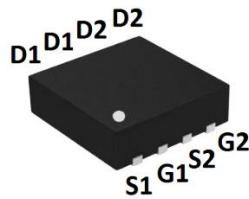


No	Item	Code	Part Description	Series Reference
(1)	Meritek Series	MFT	Meritek MOSFET Series	Surface Mount Type
(2)	Voltage Rating	2	2: 20V	Drain-Source Voltage, 10: 100V
(3)	FET Type	NP	NP: Dual N+P Channels	Dual N+P-Channel MOSFET
(4)	Current Rating	3A8	3A8: 3.8A	Continuous Drain Current, T _C =25°C
(5)	Internal Code	D238S	Internal Control Reference	Package or Project Reference

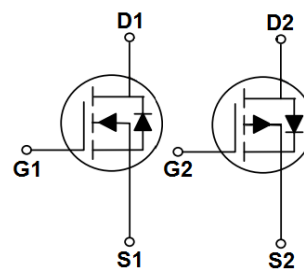
SURFACE MOUNT MOSFET PACKAGE REFERENCE TABLE

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(NP)-D238	N+P	Dual	-2.5 ~3.8A	40~100 mΩ	1.25 W	-20, 20

PIN CONFIGURATION



DEN2X3-8



Dual N+P Type

ELECTRICAL CHARACTERISTICS

MFT (NP)-D238 Series – Dual N+P Channel Type

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			
MFT2NP3A8D238S	20	3.8	2.3	±10	-	30/40	-	5.8	315	1.25	-55 ~ +150
	-20	2.5	1.5	±10	-	82/100	-	4.8	350	1.25	-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.