

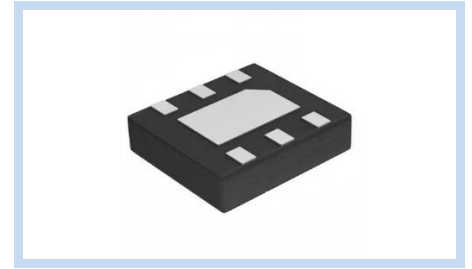
MOSFET DFN2X2-6 Package

MFT-D226 series

MERITEK

FEATURE

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



PART NUMBERING SYSTEM

MFT **3** **N** **8A5** **D226S**
 (1) (2) (3) (4) (5)

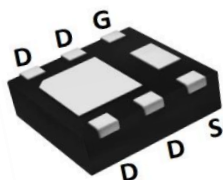


No	Item	Code	Part Description	Series Reference
(1)	Meritek Series	MFT	Meritek MOSFET Series	Surface Mount Type
(2)	Voltage Rating	3	3: 30V	Drain-Source Voltage, 10: 100V
(3)	FET Type	N	N: Single N Channel	P-Channel, Dual N-Channel, Dual N+P-Channel MOSFET
(4)	Current Rating	8A5	8A5: 8.5A	Continuous Drain Current, T _C =25°C
(5)	Internal Code	D226S	Internal Control Reference	Package or Project Reference

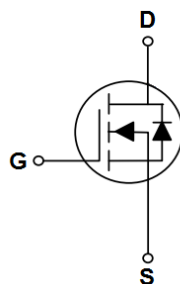
SURFACE MOUNT MOSFET PACKAGE REFERENCE TABLE

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(N)-D226	N	Single	8.5 A	18 mΩ	2.01 W	30
MFT(N)-D226E	N	Single/ESD	11 A	10~13 mΩ	2.08 W	20
MFT(P)-D226	P	Single	-8.5 ~ -4.7 A	28~85 mΩ	3.3 W	-20, -30
MFT(2N)-D226	N+N	Dual	5.2 A	40 mΩ	1.78 W	20
MFT(NP)-D226	N+P	Dual	-2.5~3.8 A	40~100 mΩ	1.25 W	-20, 20

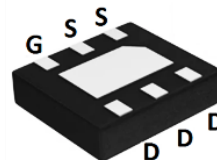
PIN CONFIGURATION



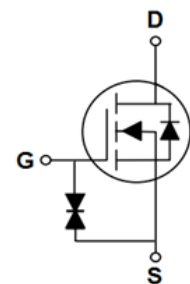
DFN2X2-6



Single N Type



DFN2X2-6



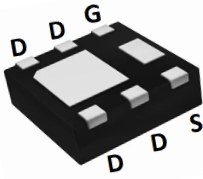
Single N Type ESD

MOSFET DFN2X2-6 Package

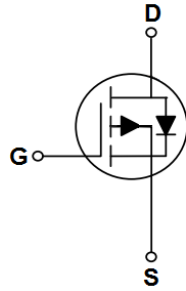
MFT-D226 series

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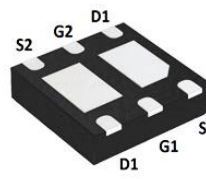
PIN CONFIGURATION CONTINUED



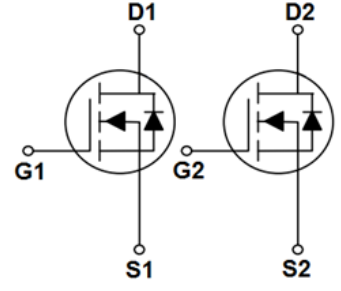
DFN2X2-6



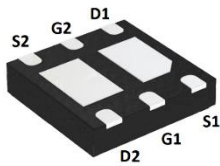
Single P Type



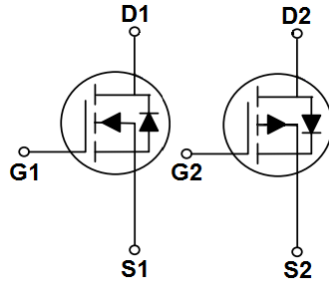
DFN2X2-6



Dual N Type



DFN2X2-6



Dual N+P Type

ELECTRICAL CHARACTERISTICS

MFT(N)-D226 Series - Single N Channel Type

Part Number	V _{DS} (V)	I _D (A)		V _{GS} (V)	R _{Ds(ON)} (mΩ) max. at V _{GS}		Q _g (nC) Typ. At V _{GS}		CISS (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT3N8A5D226S	30	8.5	-	±20	10.2/13	13.3/18	-	7.4	620	2.01	-55 ~ +150

MFT(N)-D226E Series - Single N Channel ESD Type

Part Number	V _{DS} (V)	I _D (A)		V _{GS} (V)	R _{Ds(ON)} (mΩ) max. at V _{GS}		Q _g (nC) Typ. At V _{GS}		CISS (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT2N11D226ES	20	11	6.9	±10	-	8/10	-	16.9	1020	2.08	-55 ~ +150

MFT(P)-D226 Series - Single 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) Typ. At V _{GS}		CISS (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT2P8A5D226S	-20	8.5	5.4	±10	-	22/28	-	16.1	1440	3.3	-55 ~ +150
MFT3P6A1D226S	-30	6.1	-	±20	25/30	35/46	-	8	757	2.01	-55 ~ +150
MFT3P4A7D226S	-30	4.7	-	±20	45/55	65/85	-	5.1	560	2.01	-55 ~ +150

MOSFET

DFN2X2-6 Package

MFT-D226 series

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ELECTRICAL CHARACTERISTICS CONTINUED

MFT(2N)-D226 Series - Dual N Channel Type

Part Number	V _{DS} (V)	I _D (A)		V _{GS} (V)	R _{Ds(ON)} (mΩ) max. at V _{GS}		Q _g (nC) Typ. At V _{GS}		C _{ISS} (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT22N5A2D226S	20	5.2	3.3	±10	-	30/40	-	5.8	315	1.78	-55 ~ +150
MFT102N1A2D226S	100	1.2	-	±20	330/390	350/420	9	-	345	1.25	-55 ~ +150

MFT(NP)-D226 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)		C _{ISS} (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT2NP3A8D226S	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.