

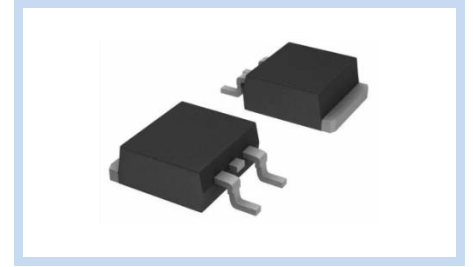
MOSFET TO263 Package

MFT-T263 series

MERITEK

FEATURE

- Operating and Storage Temperature: -50°C ~ +150°C
- Fast Switching Characteristics
- Improved dv/dt Capability
- 100% EAS Guaranteed



PART NUMBERING SYSTEM

MFT 3 N 200 T263S
 (1) (2) (3) (4) (5)

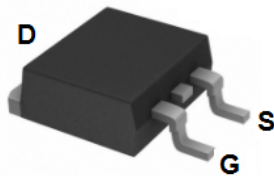


No	Item	Code	Part Description	Series Reference
(1)	Meritek Series	MFT	Meritek MOSFET Series	Surface Mount Type
(2)	Voltage Rating	3	3: 30V	Drain-Source Voltage, 10:100V
(3)	FET Type	N	N: Single N Channel	N-Channel MOSFET
(4)	Current Rating	200	200: 200A	Continuous Drain Current, T _C =25°C
(5)	Internal Code	T263S	Internal Control Reference	Package or Project Reference

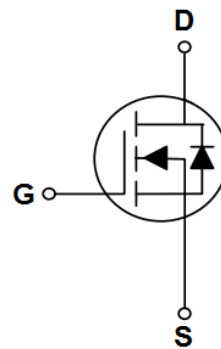
SURFACE MOUNT MOSFET PACKAGE REFERENCE TABLE

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)-T263	N	Single	60 ~ 200A	2.6 ~ 28mΩ	73.5 ~ 463W	30V, 40V, 60V, 65V, 80V, 100V, 200V

PIN CONFIGURATION



TO-263



Single N Type

MOSFET TO263 Package

MFT-T263 series

MERITEK

ELECTRICAL CHARACTERISTICS

MFT(N)-S363 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)		C _{ISS} (pF)	P _D (W) @25°C	T _S , T _J (°C)
		25°C	100°C		10V	4.5V	10V	4.5V			
MFT3N200T263S	30	200	126	±20	1.7/2.1	2/2.6	-	65	7720	139	-55 ~ +150
MFT3N176T263S	30	176	111	±20	2.4/3	3.2/4	-	40	4800	168	-55 ~ +150
MFT4N150T263S	40	150	95	±20	3.1/3.8	4.0/5.0	-	44.4	4940	166	-55 ~ +150
MFT6N114T263S	60	114	72	±20	3.8/4.5	4.2/5.5	-	58.2	6805	183	-50 ~ +150
MFT6N85T263S	60	85	54	±25	7/8.5	-	26.9	-	1690	113	-50 ~ +150
MFT6V5N180T263S	65	180	113	20/-12	1.8/2.2	2.9/3.7	130	-	9040	278	-50 ~ +150
MFT8N120T263S	80	120	76	20/-12	3.2/3.9	4.6/6.2	88	-	5160	184	-50 ~ +150
MFT8N70T263S	80	70	44	±25	9.8/12	-	31.2	-	1810	113	-50 ~ +150
MFT10N190T263S	100	190	120	±20	3/3.5	-	295	-	19000	463	-50 ~ +150
MFT10N150T263S	100	150	95	20/-12	3.5/4.2	4.5/6.0	110	-	6680	275	-50 ~ +150
MFT10N75T263S	100	75	47	20/-12	5.5/6.5	7/9	58.2	-	4570	73.5	-50 ~ +150
MFT10N60T263S	100	60	38	±20	15/18	20/28	37.6	-	1850	113	-50 ~ +150
MFT20N60T263S	200	60	38	±20	19/24	-	238	-	15325	208	-50 ~ +150

Note:

1. TA=25°C unless otherwise specified. 2. PD is Power Dissipation Derate above 25°C.

*Specifications subject to change without notice.