

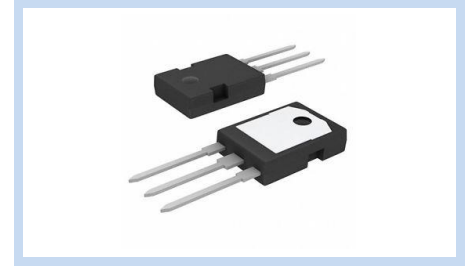
MOSFET TO247 Package

MFT-T247 series

MERITEK

FEATURE

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



PART NUMBERING SYSTEM

MFT **6** **N** **175** **T247S**
 (1) (2) (3) (4) (5)

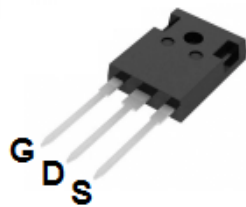


No	Item	Code	Part Description	Series Reference
(1)	Meritek Series	MFT	Meritek MOSFET Series	Leaded Type
(2)	Voltage Rating	6	60:60V	Drain-Source Voltage, 10:100V
(3)	FET Type	N	N: Single N Channel	N-Channel MOSFET
(4)	Current Rating	175	175:175A	Continuous Drain Current, T _C =25°C
(5)	Internal Code	T247S	Internal Control Reference	Package or Project Reference

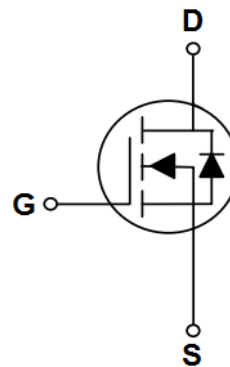
SURFACE MOUNT MOSFET PACKAGE REFERENCE TABLE

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)-T247	N	Single	100 ~ 320A	2.5 ~ 7mΩ	192 ~ 543W	40V, 60V, 80V, 100V

PIN CONFIGURATION



TO-247



Single N Type

MOSFET TO247 Package

MFT-T247 series

MERITEK

ELECTRICAL CHARACTERISTICS

MFT(N)-T247 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			
MFT4N320T247S	40	320	200	±20	1.2/1.5	1.75/2.5	295	-	17760	415	-55 ~ +150
MFT6N175T247S	60	175	110	20/-12	2.6/3.2	4.8/7	59	-	3620	192	-50 ~ +150
MFT6N100T247S	60	100	63	±20	-/8	-	475	-	4800	235	-50 ~ +150
MFT8N250T247S	80	250	155	±20	2/2.6	-	71	-	16800	543	-50 ~ +150
MFT10N210T247S	100	210	132	±20	2.8/3.5	-	295	-	17800	540	-50 ~ +150
MFT10N170T247S	100	170	105	20/-12	3.3/4.0	4.5/6.0	110	-	6680	335	-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.