

**Features**

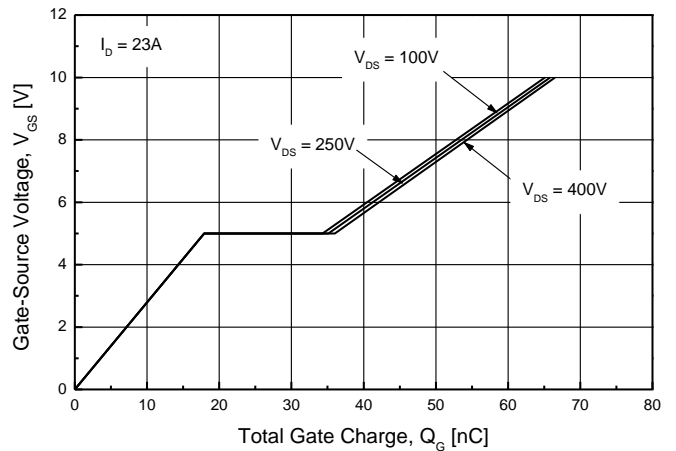
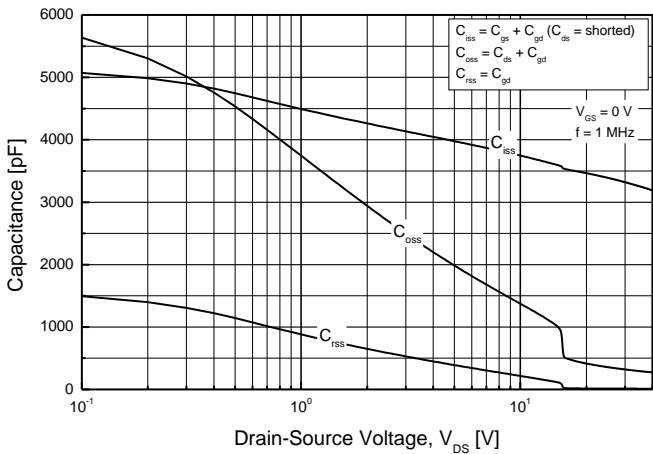
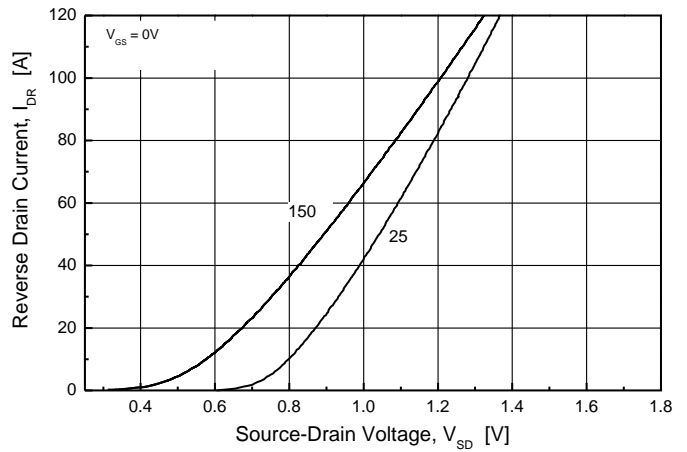
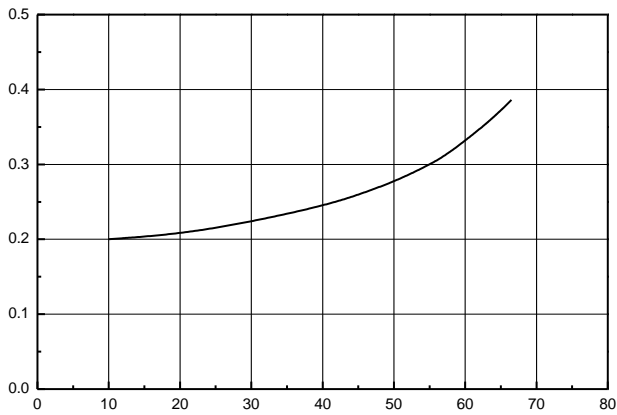
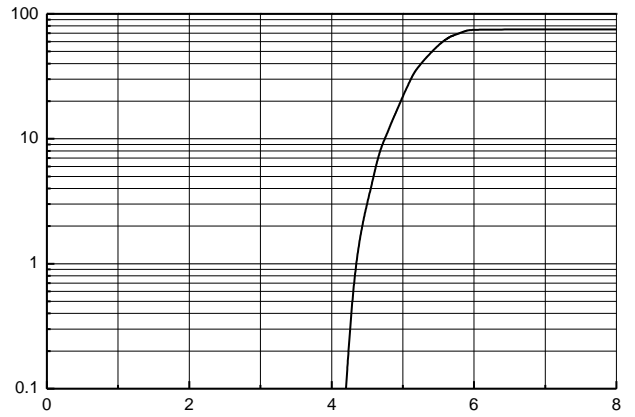
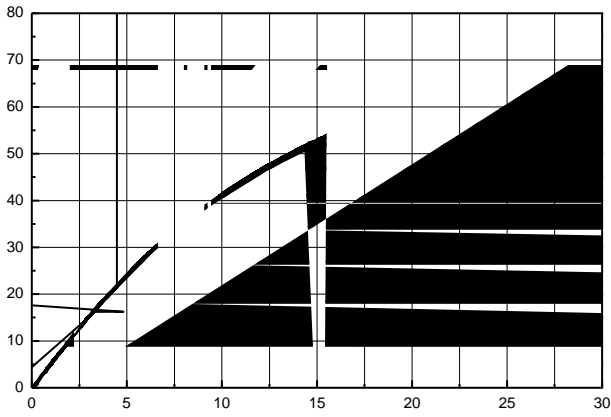
- Low gate charge
- 100% avalanche tested
- Improved dv/dt capability
- RoHS compliant
- JEDEC Qualification

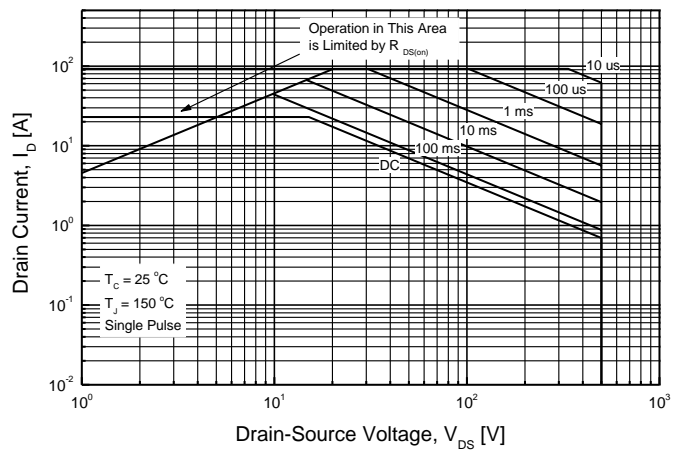
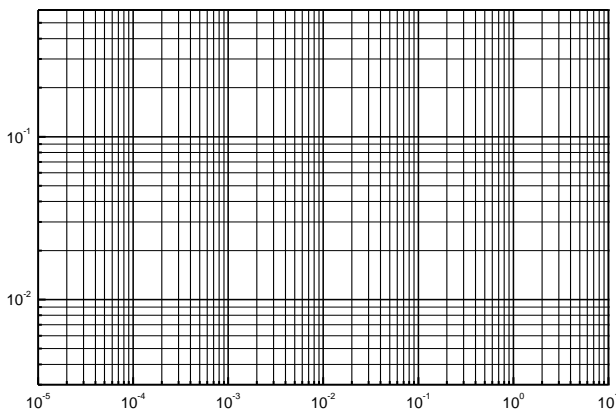
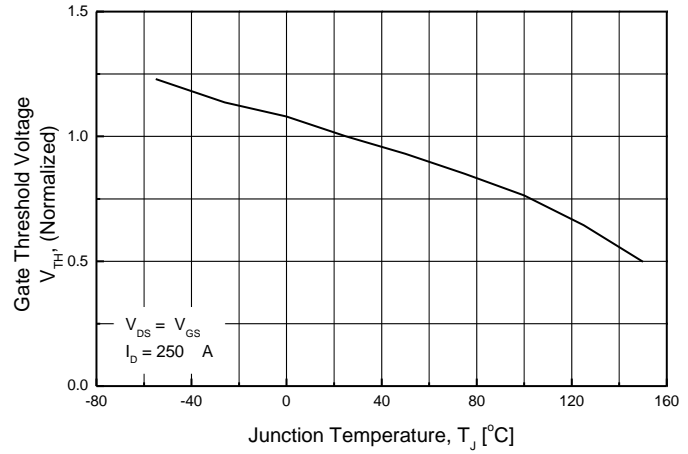
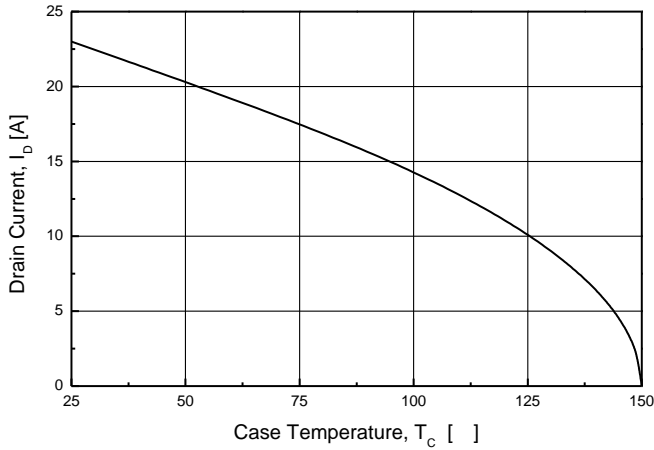
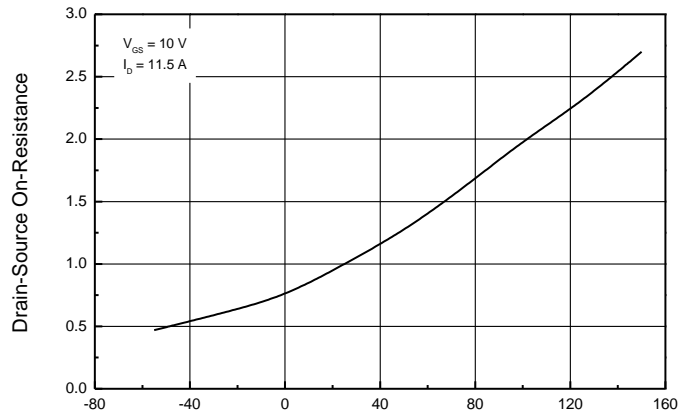
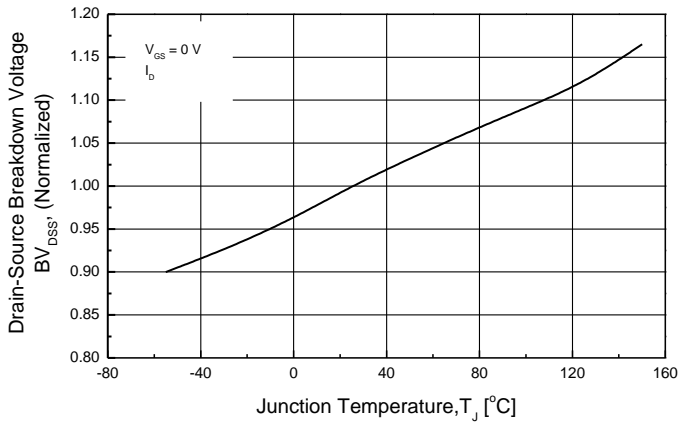
**Absolute Maximum Ratings**

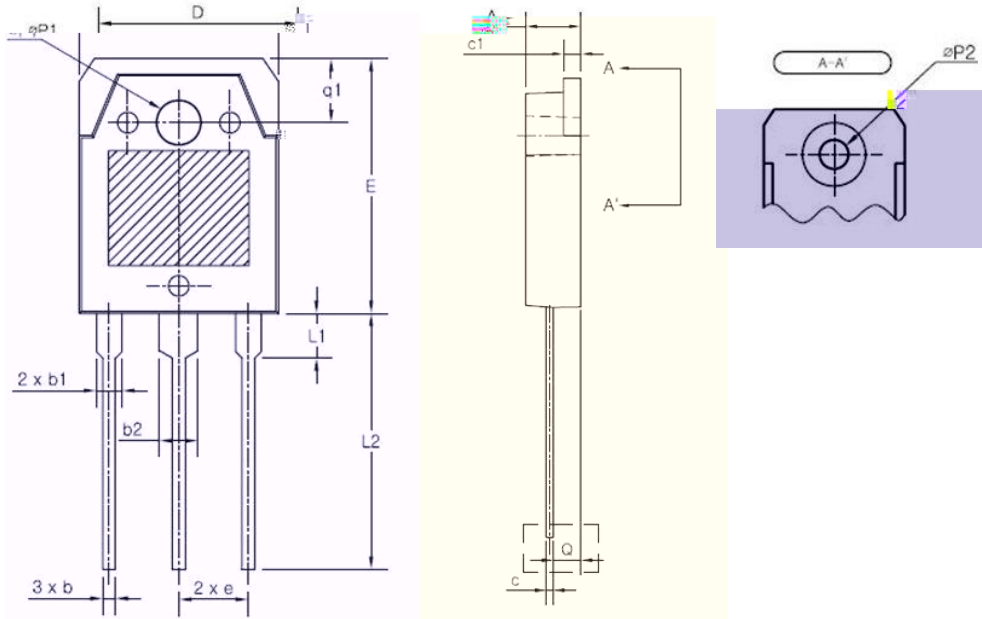
Parameter	Symbol	TMAN23N50	Unit
Drain-Source Voltage	$V_{DS}$	500	V
Gate-Source Voltage	$V_{GS}$	30	V
Continuous Drain Current		$T_C = 25$	

**Electrical Characteristics : T<sub>C</sub>=25** , unless otherwise noted


- Note :
1. Repeated rating : Pulse width limited by safe operating area
  2.  $L=3.3\text{mH}$ ,  $I_{AS} = 23\text{A}$ ,  $V_{DD} = 50\text{V}$ ,  $R_G = 25$  , Starting  $T_J= 25$  , , not subject to production test verified by design/characterization
  3.  $I_{SD} \quad dt \quad \mu\text{s}$ ,  $V_{DD} \quad D_S$ , Starting  $T_J= 25$   
 $\mu$
  5. Essentially Independent of Operating Temperature Typical Characteristics





**TO-3PN MECHANICAL DATA**


SYMBOL	MIN	NOM	MAX
A	4.60	4.80	5.00
b	0.80	1.00	1.20
b1	1.80	2.00	2.20
b2	2.80	3.00	3.20
c	0.55	0.60	0.75
c1	1.45	1.50	1.65
D	15.40	15.60	15.80
E	19.70	19.90	20.10
e	5.15	5.45	5.75
L1	3.30	3.50	3.70
L2	19.80	20.00	20.20
eP1	3.30	3.40	3.50
Q	2.40	2.60	
q1	4.80	5.00	5.2

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