

Features

- Current- I_{GT} : 200 μA
- I_{TRMS} : 0.8 A
- V_{RRM}/V_{DRM} : MCR100-8: 600 V
- Operating and storage junction temperature range
 T_J, T_{stg} : -55 $^{\circ}C$ to +150 $^{\circ}C$



SOT-89-3L



Equivalent Circuit

Electrical Characteristics ($T_A=25^{\circ}C$ unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Max	Unit
V_{TM}^*	On state voltage	$I_{TM}=1A$		1.7	V
V_{GT}	Gate trigger voltage	$V_{AK}=7V$		0.8	V
V_{DRM} AND V_{RRM}	Peak Repetitive forward and reverse blocking voltage	$I_{DRM}=10\mu A$	600		V
I_{DRM} I_{RRM}	Peak forward or reverse blocking Current	$V_{AK}=\text{Rated } V_{DRM} \text{ or } V_{RRM}$		10	μA
I_H	Holding current	$I_{HL}=20mA, V_{AK}=7V$		5	mA
I_{GT}	A2	$V_{AK}=7V$	5	15	μA
	A1		15	30	μA
	A		30	80	μA
	B		80	200	μA

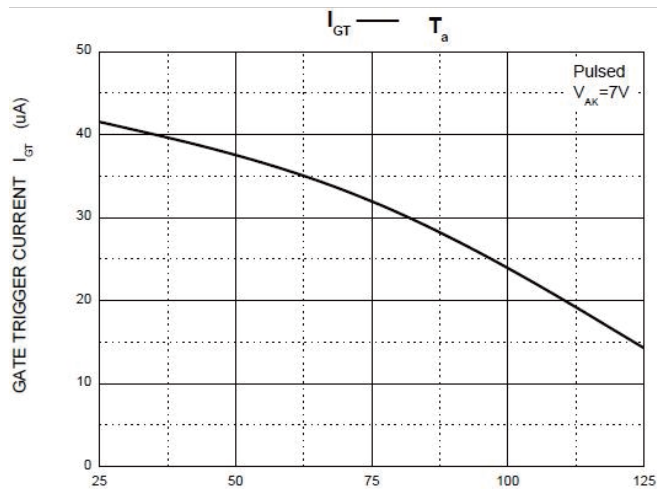
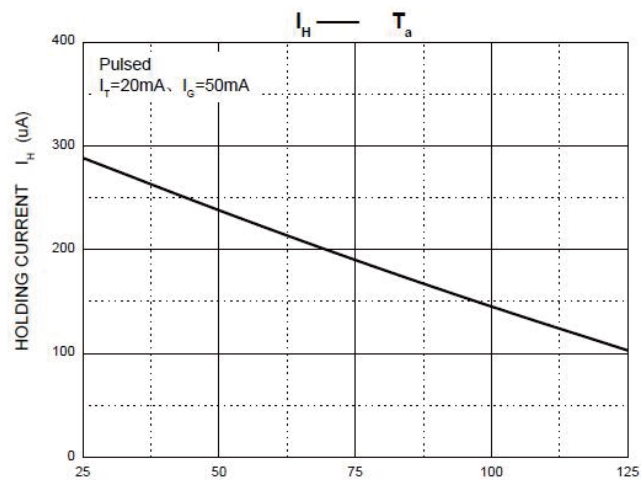
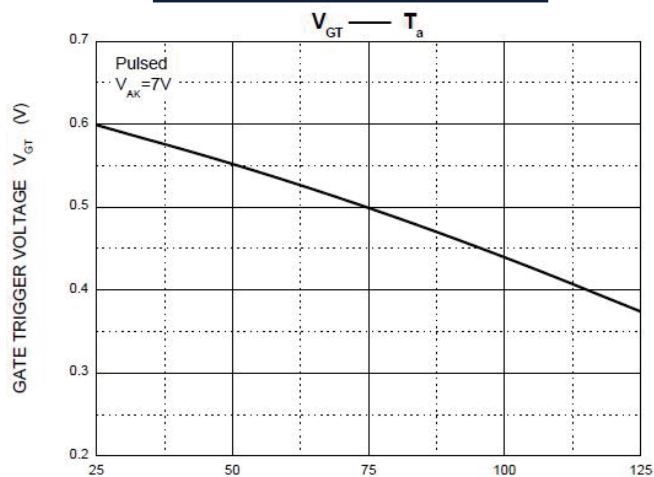
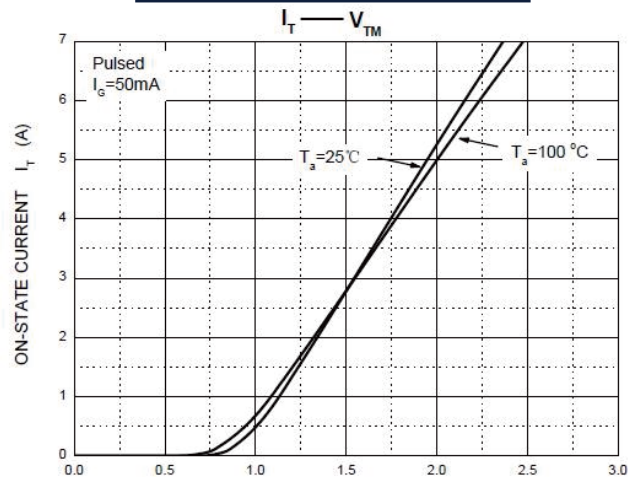
* Forward current applied for 1 ms maximum duration , duty cycle $\leq 1\%$

Ordering information

Product ID	Marking	Naming rule	Pack	Qty(PCS)
MCR100-8	MCR18	MCR100-8 产品名称 product name	SOT-89-3L	1000
	100-8			

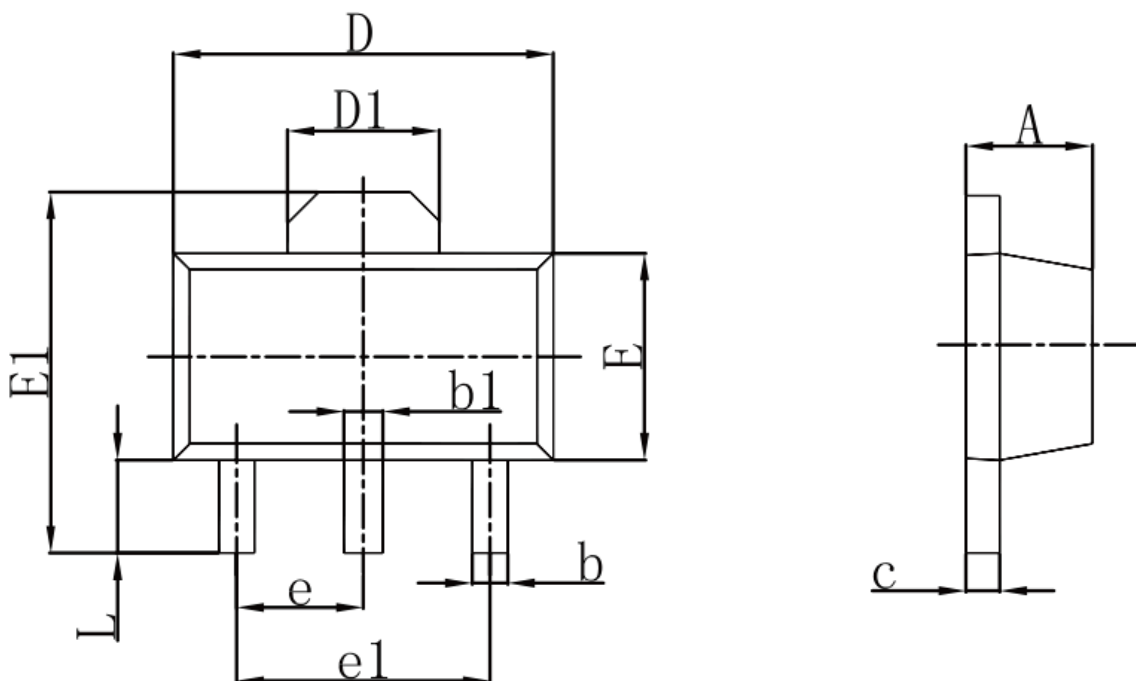


Typical Characteristics

AMBIENT TEMPERATURE T_a (°C)AMBIENT TEMPERATURE T_a (°C)AMBIENT TEMPERATURE T_a (°C)ON-STATE VOLTAGE V_{TM} (V)



SOT-89-3L Package Outline Dimensions



Symbol	Dimensions in Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.400	1.600	0.055	0.063
b	0.320	0.520	0.013	0.020
b1	0.400	0.580	0.016	0.023
c	0.350	0.440	0.014	0.017
D	4.400	4.600	0.173	0.181
D1	1.550 REF.		0.061 REF.	
E	2.300	2.600	0.091	0.102
E1	3.940	4.250	0.155	0.167
e	1.500 TYP.		0.060 TYP.	
e1	3.000 TYP.		0.118 TYP.	
L	0.900	1.200	0.035	0.047