



Micro Commercial Components



Micro Commercial Components  
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**MCR100-6  
MCR100-8**

## Features

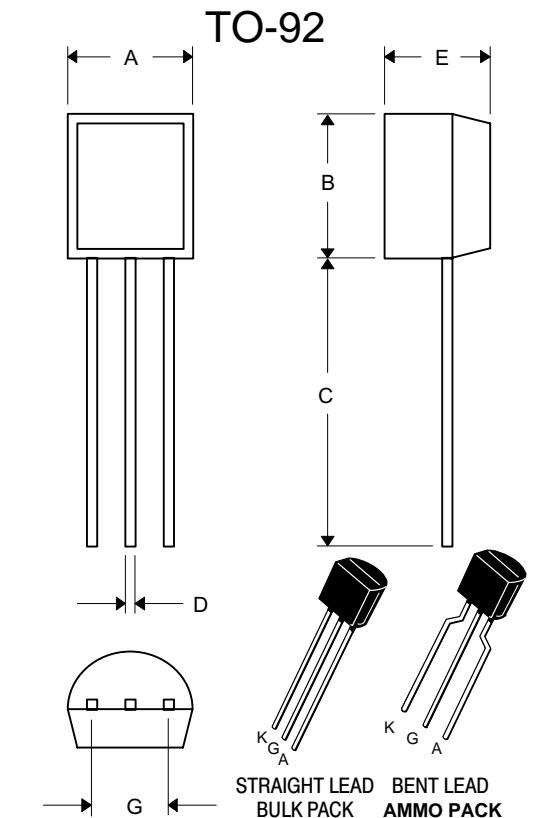
- Blocking Voltage to 400V (MCR100-6)
- RMS on-state current to 0.8A
- General purpose switching
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Symbol	Rating	Rating	Unit
$V_{RRM}$	Peak Repetitive Forward and Reverse Blocking Voltage*	MCR100-6	V
$V_{DRM}$		400	
		600	
$I_{T(RMS)}$	Forward Current RMS	0.8	A
$T_J$	Operating Junction Temperature	-40 to +125	°C
$T_{STG}$	Storage Temperature	-55 to +150	°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Test Conditions	Min	Max	Unit
$I_{DRM}$	Peak Forward or Reverse Blocking Current ( $V_{AK}$ =Rated $V_{DRM}$ or $V_{RRM}$ ;	---	10	μA
$I_{RRM}$				
$V_{TM}$	Forward "On" Voltage* ( $I_{TM}$ =1A )	---	1.7	V
$V_{GT}$	Gate Trigger Voltage ( $V_{AK}$ =7V)	---	0.8	V
$I_H$	Holding Current ( $V_{AK}$ =7V, $I_{HL}$ =20mA)	---	5.0	mA
$I_{GT}$	Gate Trigger Current ( $V_{AK}$ =7V)	30	80	uA

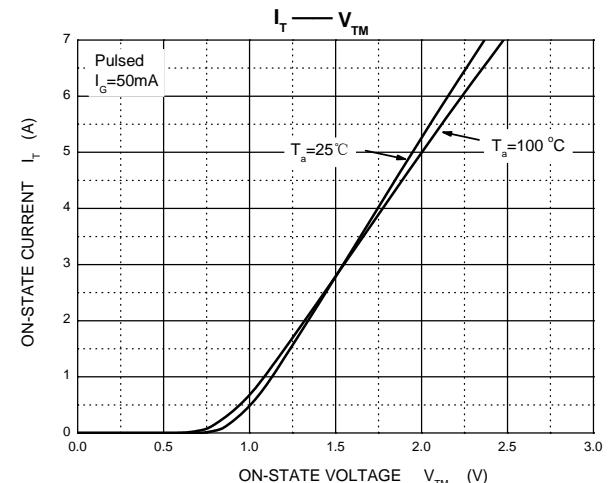
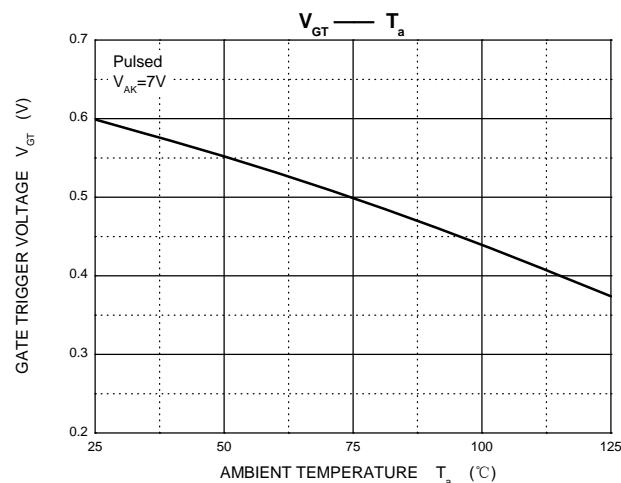
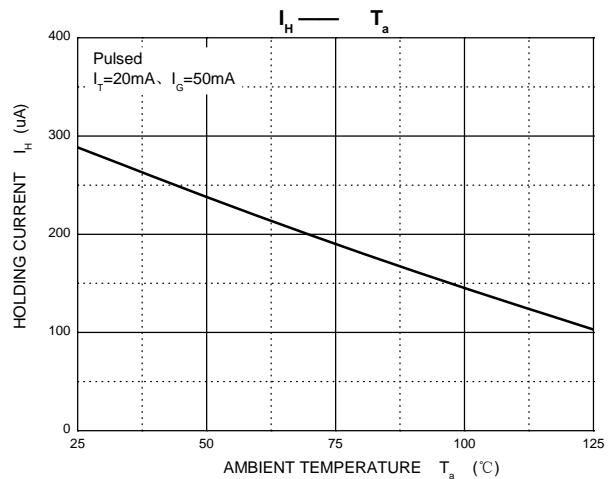
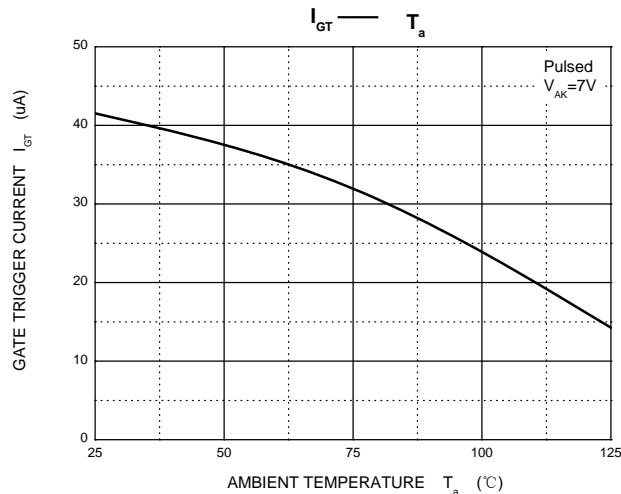
\* Forward current applied for 1ms maximum duration, duty Cycle  $\leq 1\%$



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
	.173	.220	4.40	5.60	Bent Lead

\* For ammo packing detailed specification, click here to visit our website of product packaging for details.

## Typical Characteristics





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## Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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