



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"

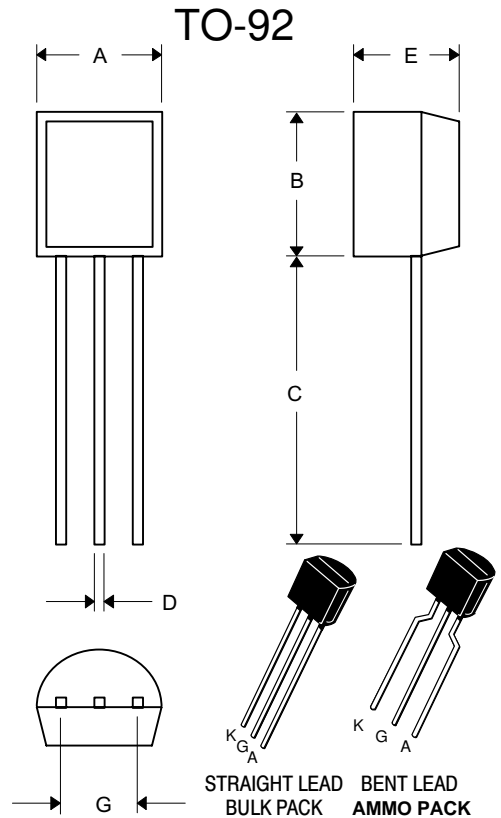
## 0.8 Ampere Silicon Controlled Rectifiers 400 thru 600 Volts

Symbol	Rating	Rating	Unit
$V_{RRM}$ $V_{DRM}$	Peak Repetitive Forward and Reverse Blocking Voltage*	MCR100-6 400 MCR100-8 600	V
$I_{T(RMS)}$	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
$I_{DRM}$ $I_{RRM}$	Peak Forward or Reverse Blocking Current ( $V_{AK}$ =Rated $V_{DRM}$ or $V_{RRM}$ ;	---	10	µA
$V_{TM}$	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	µA

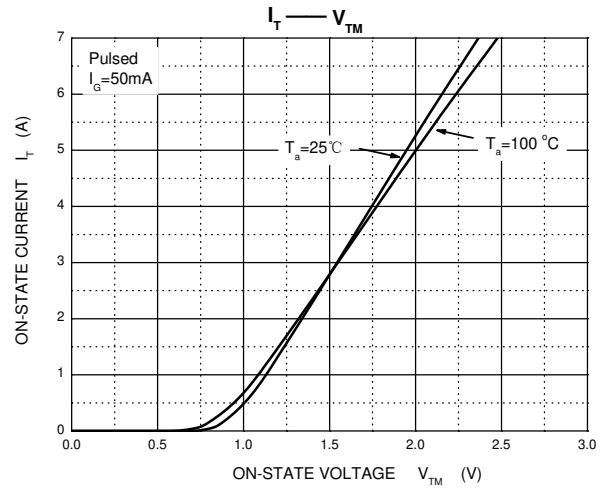
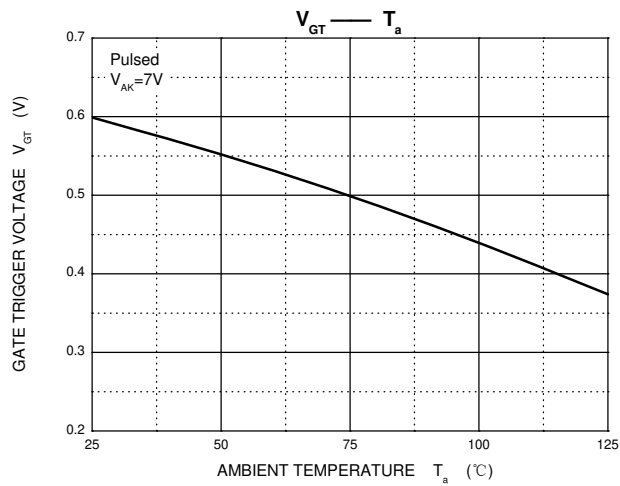
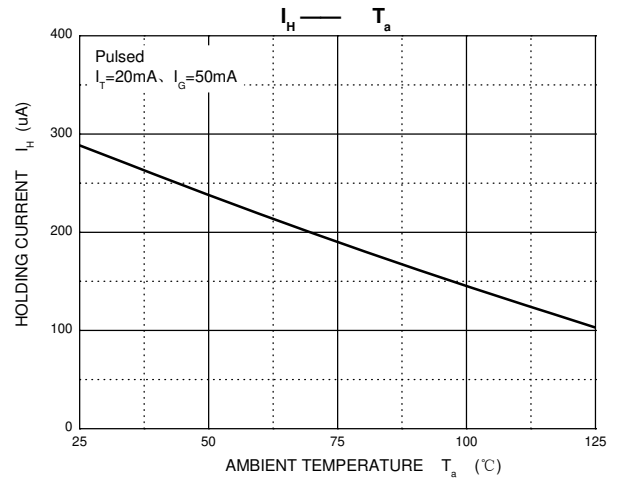
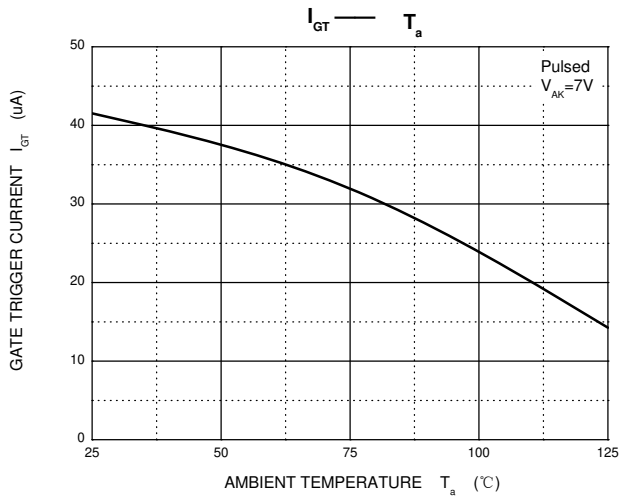
\* Forward current applied for 1ms maximum duration, duty Cycle  $\leq$  1%



DIM	INCHES		MM		NOTE
	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

**\*\*\*IMPORTANT NOTICE\*\*\***

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MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

**\*\*\*CUSTOMER AWARENESS\*\*\***

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