



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components

Micro Commercial Components
 20736 Marilla Street Chatsworth
 CA 91311
 Phone: (818) 701-4933
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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"

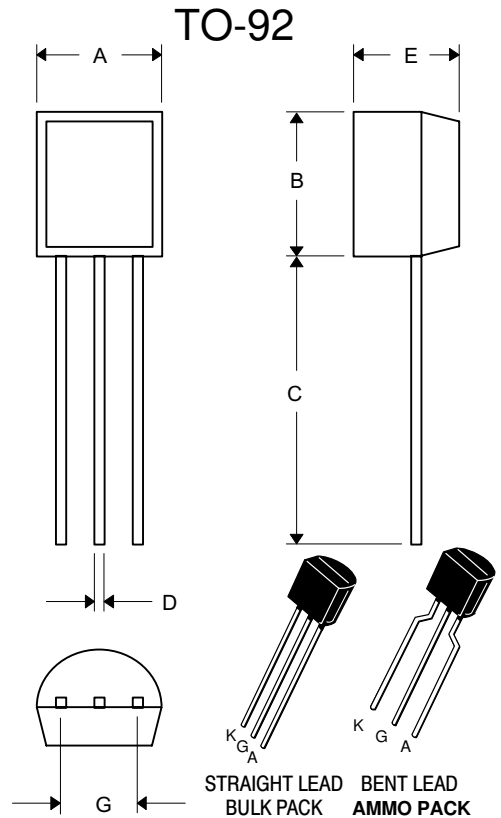
0.8 Ampere Silicon Controlled Rectifiers 400 thru 600 Volts

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	uA

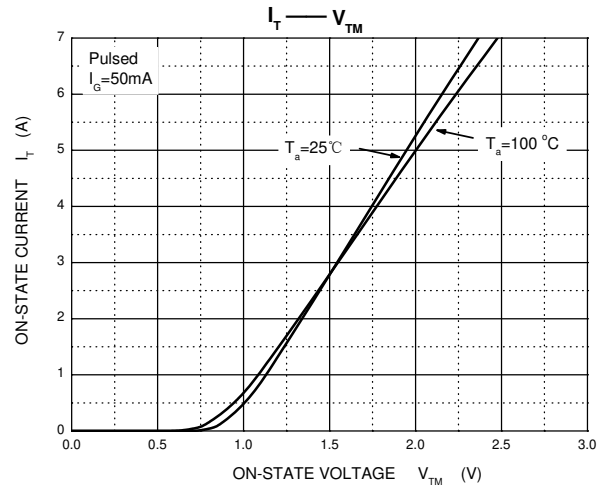
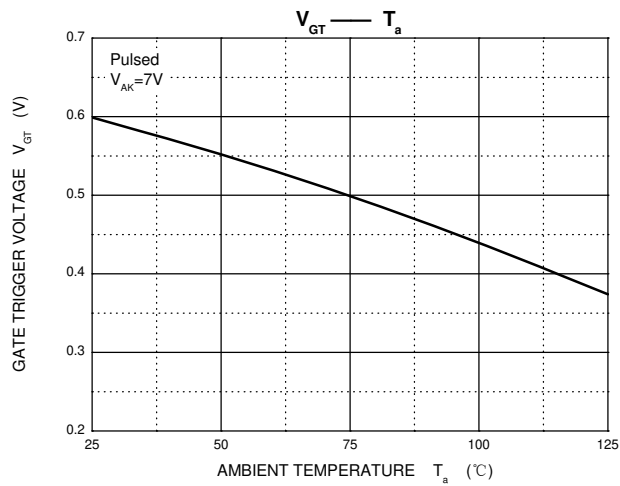
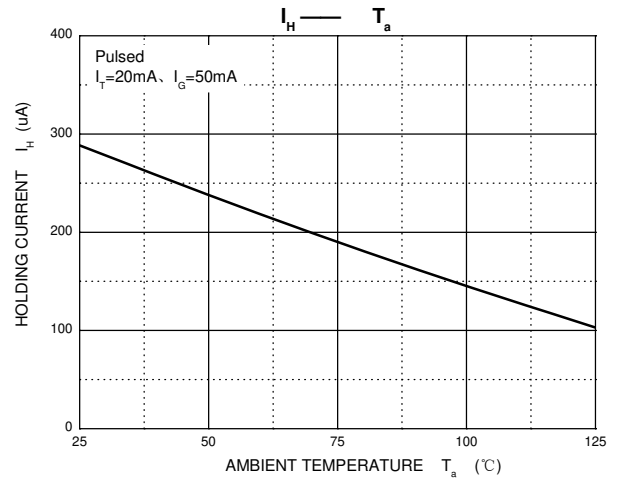
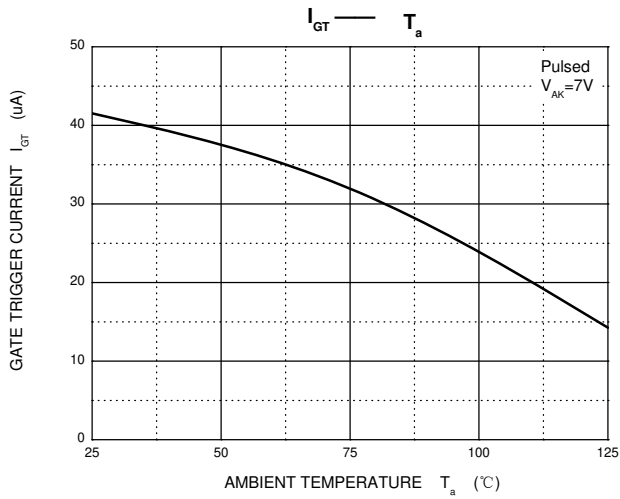
* Forward current applied for 1ms maximum duration, duty Cycle \leq 1%



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





Micro Commercial Components

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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