Micro Commercial Components

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MCR100-6
MCR100-8

0.8 Ampere Silicon Controlled Rectifiers 400 thru 600 Volts

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
- Moisure Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

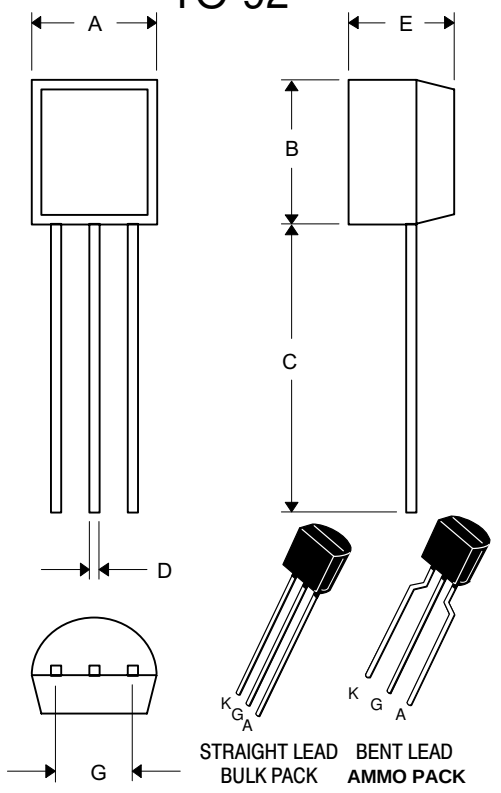
Symbol	Rating	Rating	Unit
V_{RRM} V_{DRM}	Peak Repetitive Forward and Reverse Blocking Voltage* MCR100-6 MCR100-8	400 600	V
$I_{T(RMS)}$	Forward Current RMS	0.8	A
T_J	Operating Junction Temperature	-40 to +125	℃
T_{STG}	Storage Temperature	-55 to +150	℃

°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 ≦1%

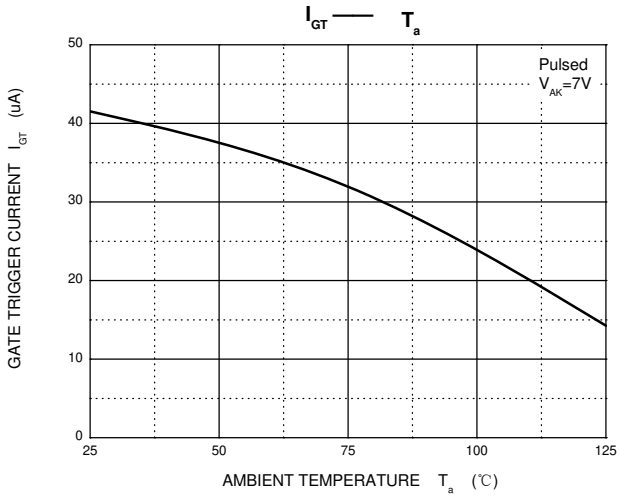
TO-92

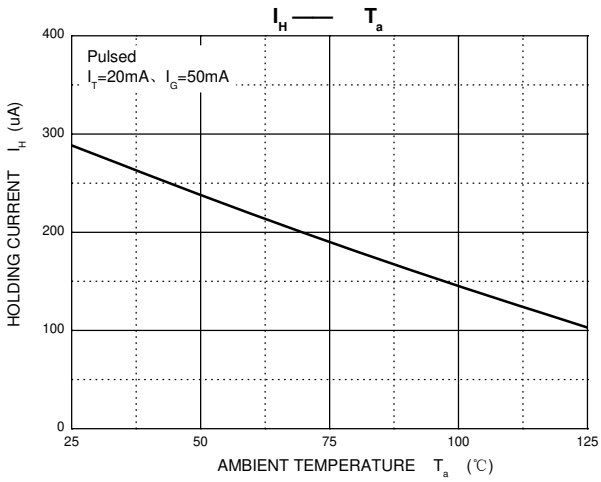


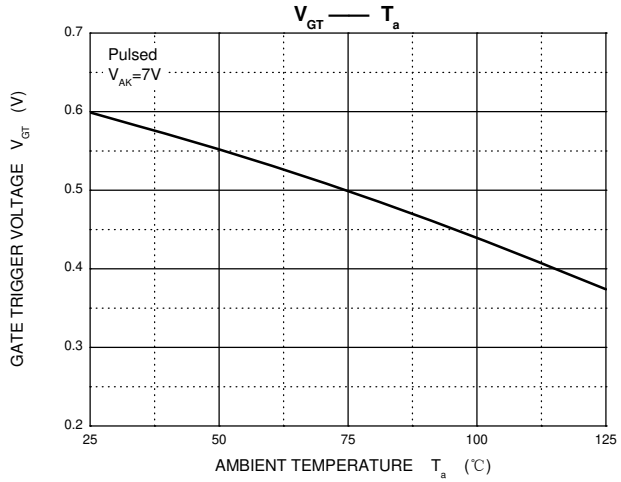
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
	.173	.220	4.40	5.60	Bent Lead

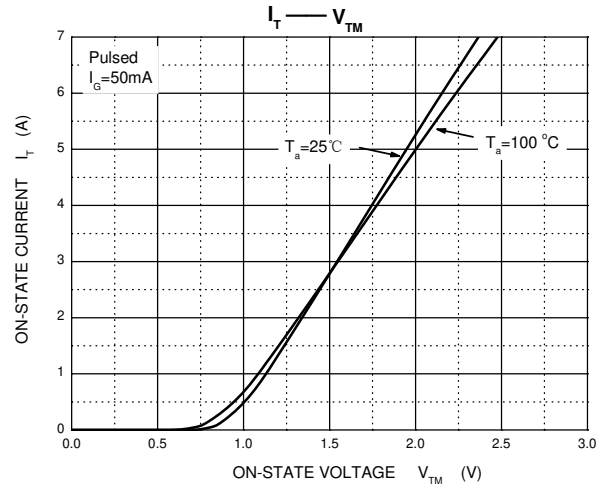
* For ammo packing detailed specification, click here to visit our website of product packaging for details.

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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