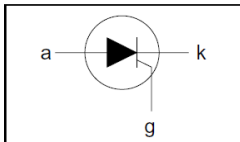


Thyristor in a TO-92 Plastic Package.

High Blocking Voltage High Surge Current Capability.

Applied to high Voltage control circuit.



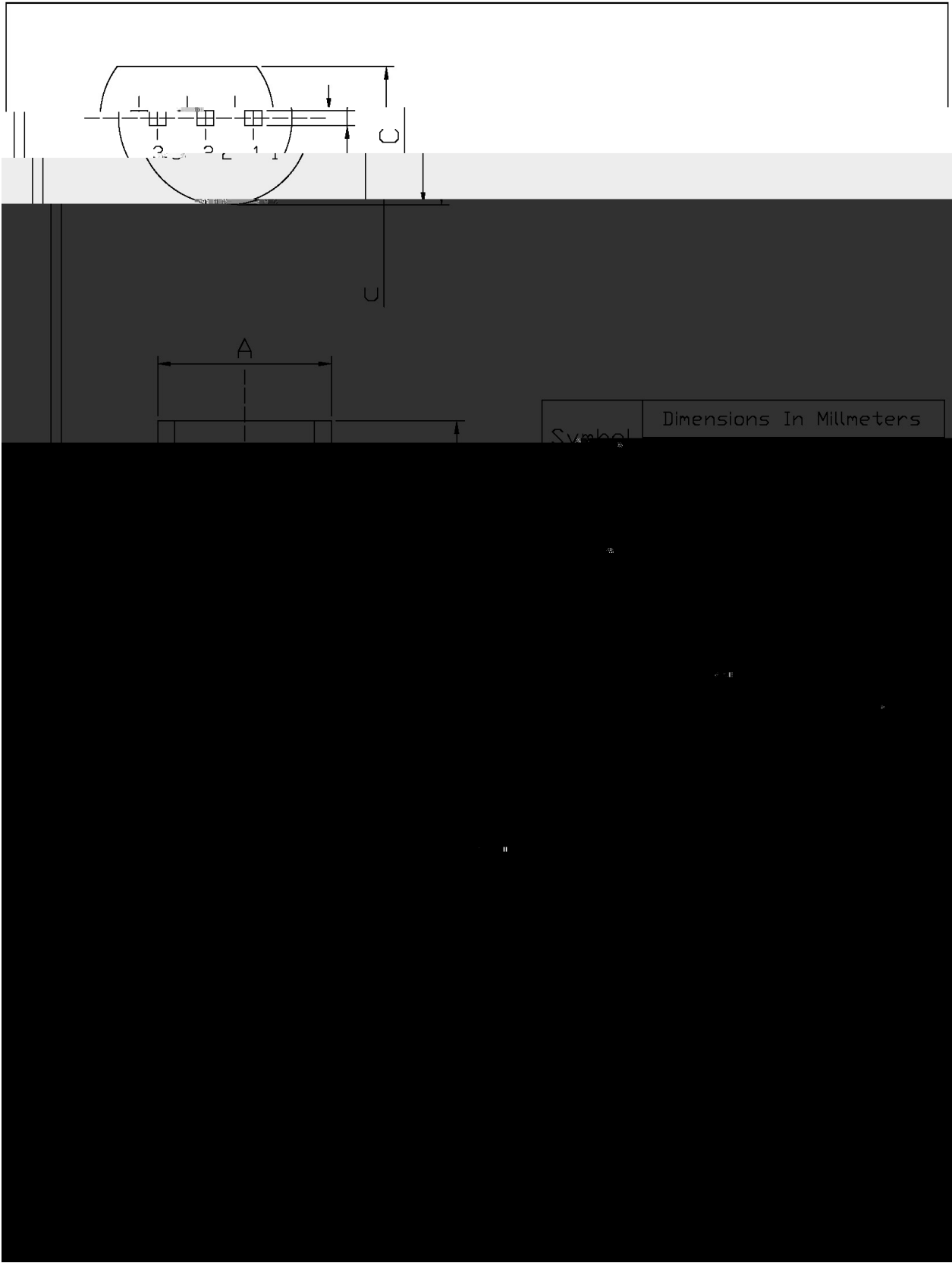
PIN1 Anode PIN 2 Gate PIN 3 Cathode

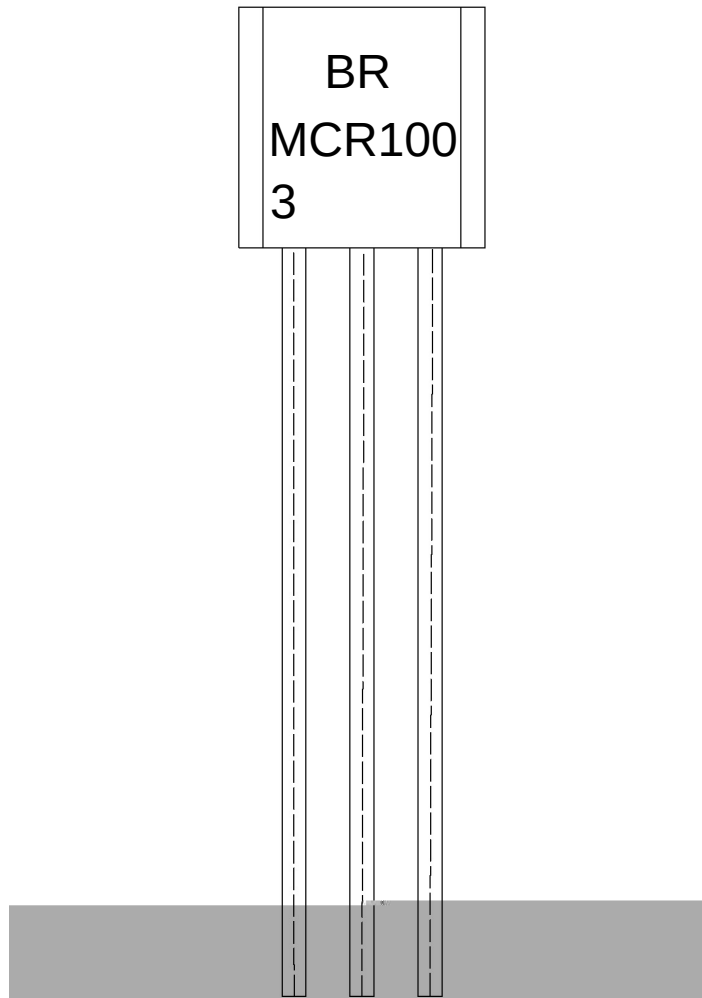
See Marking Instructions.

Parameter	Symbol	Test Conditions	Rating	Unit
Repetitive peak off-state voltages	V_{DRM}	$T_j = -40$ to 110 ,Sine Wave, 50 to 60Hz,Gate Open	100	V
Repetitive peak off-state voltages	V_{RRM}	MCR100-3 MCR100-4 MCR100-6 MCR100-8	200 400 600	
RMS on-state current	$I_{\text{T(RMS)}}$	$T_c = 80$	0.8	
Non-repetitive peak on-state current	I_{TSM}	1/2 Cycle, Sine Wave, 60Hz, $T_j = 25$	10	
I_t^2 for fusing	$I^2 t$	$t = 8.3\text{ms}$	0.415	A^2S
Peak gate power	P_{GM}	$T_A = 25$,Pulse Width 1.0 s	100	mW
Peak Average power	$P_{\text{G(AV)}}$	$T_A = 25$, $t = 8.3\text{ms}$	100	mW
Peak gate current	I_{GM}	$T_A = 25$,Pulse Width 1.0 s	1.0	A
Peak Reverse Gate Voltage	V_{RGM}	$T_A = 25$,Pulse Width 1.0 s	5.0	V
Junction Temperature	T_j		-40 125	

TO-92

Unit: mm





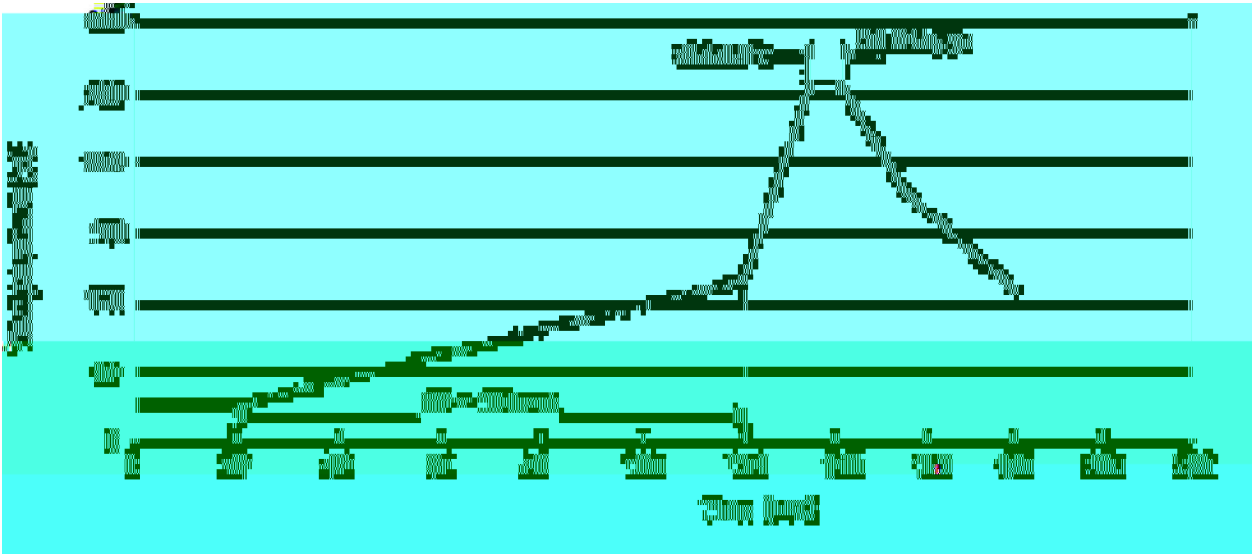
Note:

BR: Company Code.

MCR100: Product Type.

3 Specification Code

****: Lot No. Code, code change with Lot No.



Note:

1.Preheating:25~150 °C , Time:60~90sec.

2.Peak Temp.:255 ± 5 °C , Duration:5 ± 0.5sec.

3. Cooling Speed: 2~10 °C /sec.

1 25 150 60 90sec;

2 255 5 5 0.5sec;

3 2 10 /sec.

270 ± 5 10 ± 1 sec. Temp.:270±5 Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	只 袋	袋 盒	只 盒	盒 箱	只 箱	袋	盒	箱

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	只 纸带	纸带 盒	纸带层 盒	盒 箱	只 箱	盒	箱
							小箱 , 大箱