

/ Descriptions

TO-92 Thyristor in a TO-92 Plastic Package.

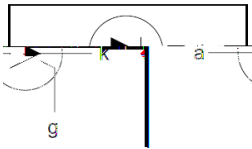
/ Features

High Blocking Voltage High Surge Current Capability.

/ Applications

Applied to high Voltage control circuit.

/ Equivalent Circuit



/ Pinning



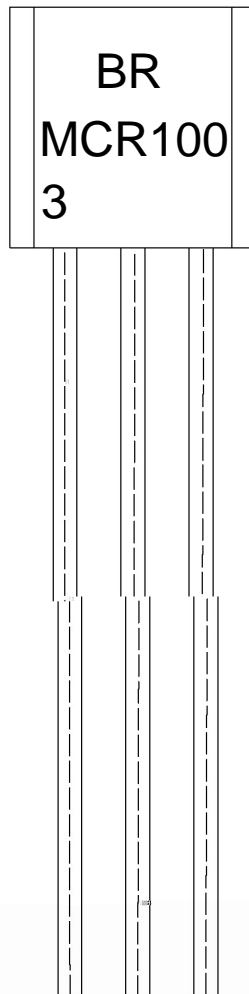
1 2 3
PIN1 Anode PIN 2 Gate PIN 3 Cathode

/ h_{FE} Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Test Conditions	Rating	Unit
Repetitive peak off-state voltages	V_{DRM}	$T_j = -40$ to 110 °C, 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	

/ Marking Instructions



BR

MCR100

3

Note:

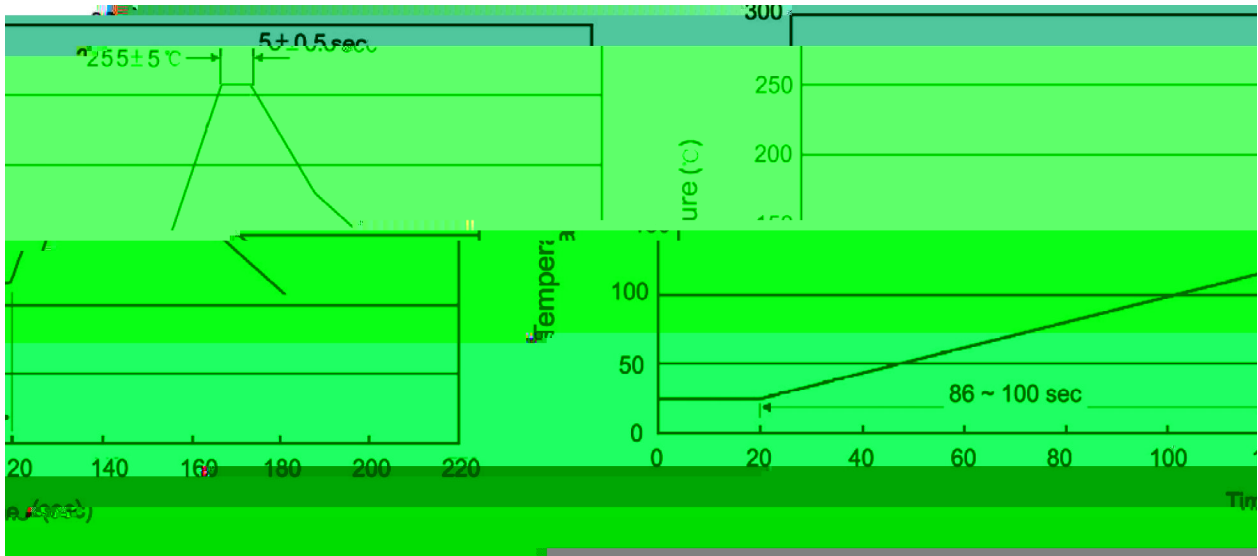
BR: Company Code.

MCR100: Product Type.

3 Specification Code

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

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|--------|--|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5sec; | | 2.Peak Temp.:255±5 , Duration:5± 0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ BULK

Package Type	Units				Dimension		(unit mm ³)

/ AMMO

Package Type	Units				Dimension		(unit mm ³)

/ Notices