Single Phase Glass Passivated Bridge Rectifier

Reverse Voltage - 600V to 1600V

Forward Current - 50 A

FEATURES

- Glass passivated chip
- Low reverse leakage current
- High surge current capability

Applications

- Electric welder
- Industrial power supply
- Inverter
- Uninterruptible power supply

MECHANICAL DATA

- Case:BR
- Polarity: Polarity symbols being marked on body
- Mounting torque: 12.0 kgf.cm max
- Weight: About12 grams

Maximum Ratings @ Ta = 25 unless otherwise noted

Parameter	Symbols	BR5006	BR5008	BR5010	BR5012	BR5014	BR5016	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	600	800	1000	1200	1400	1600	V
Maximum RMS voltage	V_{RMS}	420	560	700	840	980	1120	V
Maximum DC Blocking Voltage	V_{DC}							

Characteristic Curve

FIG 1.Derating Curve For Output Rectified Current

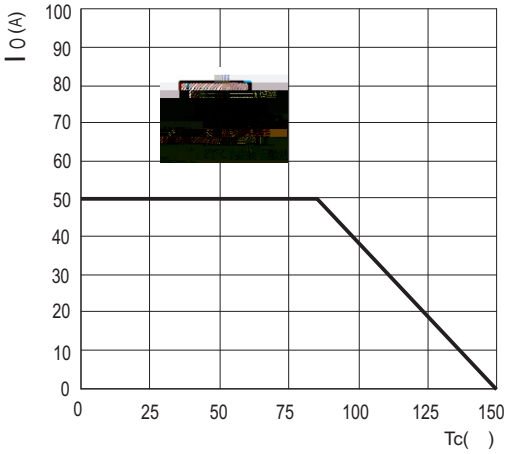


FIG2 .Maximum NonRepetitive Peak ForwardSurge CurrentPer Bridge Element

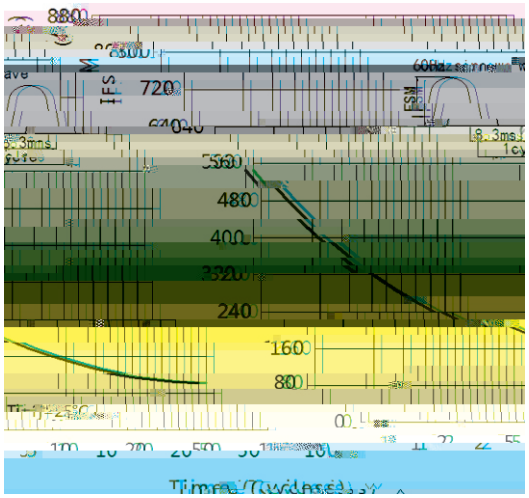


FIG3.Typical Reverse Characteristics Per Bridge Element

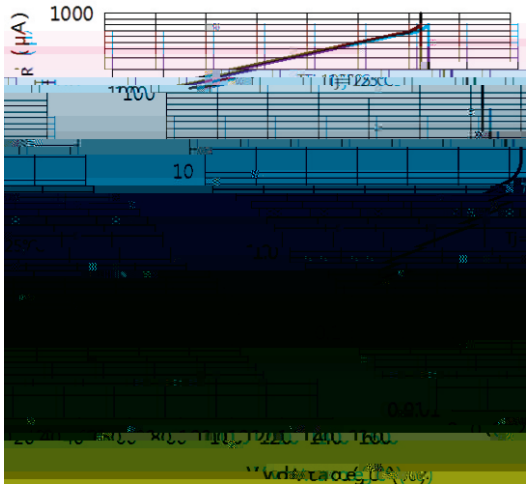
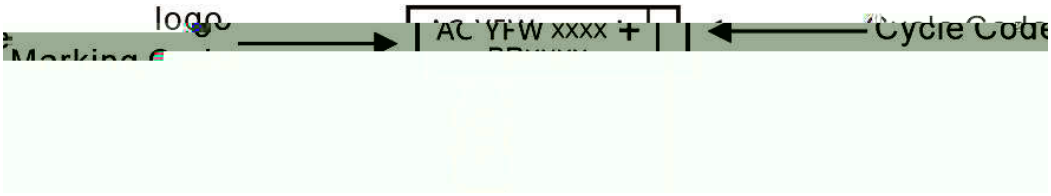


FIG4.Typical Forward Characteristics Per Bridge Element

Marking Diagram

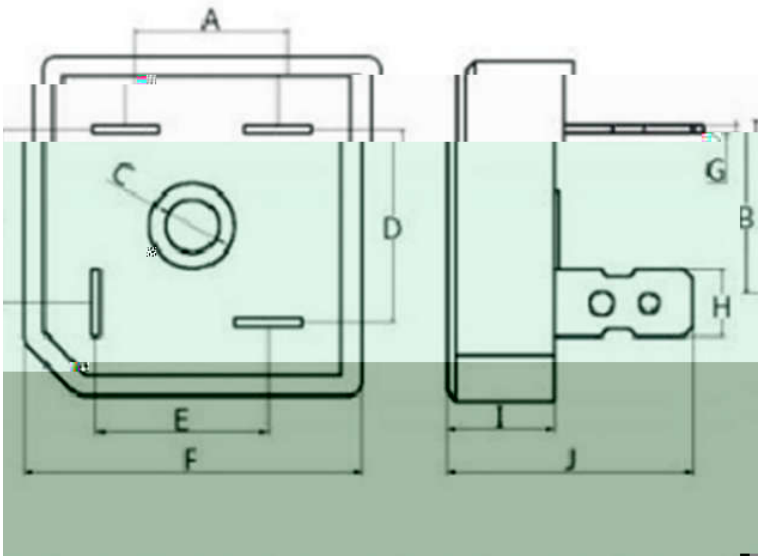


Ordering information

Package	Packing Description	Packing Quantity
BR	bulk	50PCS/Box 500PCS/Carton

Package Dimensions

BR



Dim.	Millimeter(mm)		Dimensions inInch	
	Min.	Max.	Min.	Max.

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