

PHASE CONTROL THYRISTORS

- **Junction Size:** 24 mm Diameter
- **V_{RRM} Class:** 400 and 600 V
- **Passivation Process:** Diffused Junction

Major Ratings and Characteristics

Parameters	Units	Test Conditions
V _{TM} Maximum On-state Voltage	1.20V	T _J = 25°C, I _T = 500 A
V _{RRM} Reverse Breakdown Voltage Range	400 and 600V	T _J = 125°C, I _{RRM} = 30 mA
		T _J = 25°C, I _{RRM} = 10 mA
I _{GT} Max. Required DC Gate Current to Trigger	150 mA	T _J = 25°C
V _{GT} Max. Required DC Gate Voltage to Trigger	3.0V	T _J = 25°C
I _H Maximum Holding Current	600 mA	T _J = 125°C, anode supply 12V resistive load
I _L Max. (Typical) Latching Current	1000 (300) mA	T _J = 125°C, anode supply 12V resistive load

Mechanical Characteristics

Nominal Back Metal Composition	Al (130 KA)
Nominal Front Metal Composition	Nickel plate molybdenum disc
Chip Dimensions	24 mm diameter (see drawing)
Recommended Storage Environment	Storage in original container, in dessicated nitrogen, with no contamination

IR24ASR..N SERIES

Bulletin I0145J 04/01

International
IR Rectifier

Ordering Information Table

Device Code						
IR	24	A	S	R	06	N
①	②	③	④	⑤	⑥	⑦

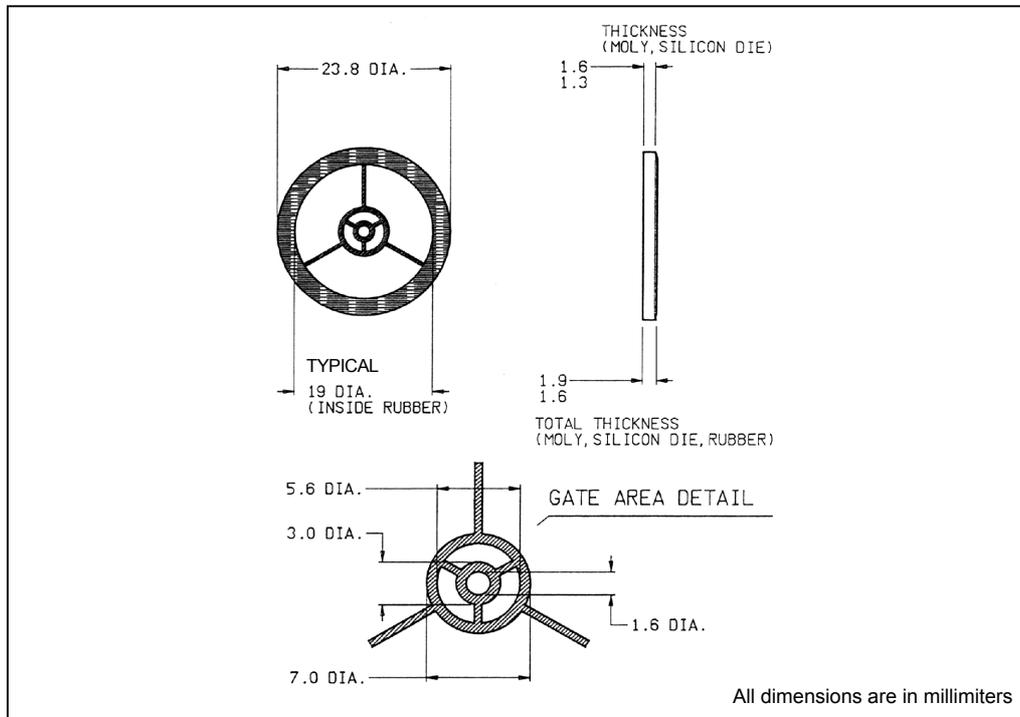
- 1** - International Rectifier device
- 2** - Chip Dimension in Millimeters
- 3** - Device identifier between chip with same diameter
- 4** - Type of Device: S = Converter Type Thyristor
- 5** - Passivation: R = Rubber for all junctions
- 6** - Voltage code: Code x 100 = V_{RRM}
- 7** - Metallization: N = Nickel plate Molybdenum disc (Anode)
Al (Cathode)

Available Class

04 = 400 V

06 = 600 V

Outline Table





Notice

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