



# American Microsemiconductor, Inc.

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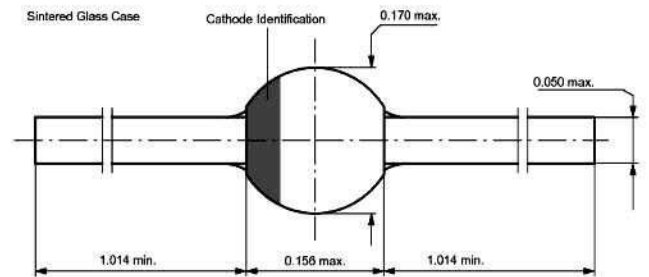
**1N6616 1N6617**

**1N6618 1N6619**

**400 V - 1,000 V Rectifiers**

- 3.0 A Forward Current
- 70 ns Recovery Time
- Hermetically Sealed
- Op.Temp.= -65°C to +175°C
- Stg.Temp.= -65°C to +200°C

Package Dimensions in mm



## ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (1) (T <sub>rr</sub> )	Junction Cap. @50VDC @ 1kHz (C <sub>j</sub> )
		55°C	100°C	25°C	100°C	25°C		25°C	25°C	25°C	25°C
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	pF
1N6616	400	3.0	2.0	1.0	20	1.7	3.00	100	20	70	35
1N6617	600	3.0	2.0	1.0	20	1.7	3.00	100	20	70	35
1N6618	800	3.0	2.0	1.0	20	1.7	3.00	100	20	70	35
1N6619	1000	3.0	2.0	1.0	20	1.7	3.00	100	20	70	35

(1) I<sub>f</sub>=0.5A, I<sub>r</sub>=1.0A, I<sub>rr</sub>=0.25A