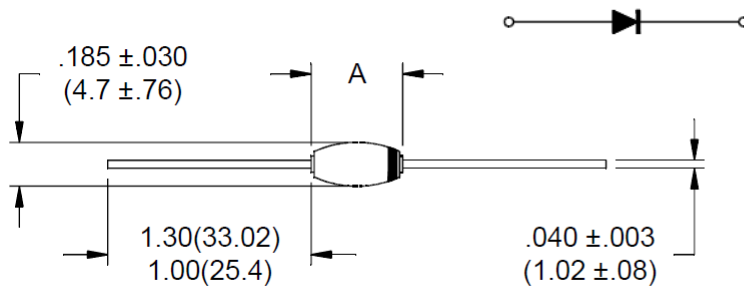


| ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS | | | | | | | | | | | | | | |
|--|--|---------------------------|----------|------------------------------------|-------|-------------------|-----|---|--|--|-------------------------------------|--------|--------|---|
| Part Number | Working Reverse Voltage (V _{rrm}) | Average Rectified Current | | Reverse Current @ V _{rrm} | | Forward Voltage | | 1 Cycle Surge Current tp=8.3ms (I _{fsm}) | Repetitive Surge Current (I _{fsm}) | Reverse Recovery Time (3) (T _{rr}) | Thermal Impedance θ_{J-L} | | | Junction Cap. @50VDC @ 1kHz (C _j) |
| | | (I _o) | | (I _r) | | (V _f) | | | | | L=000 | L=.125 | L=.250 | 25°C |
| | | 55°C(1) | 100°C(2) | 25°C | 100°C | 25°C | | 25°C | 25°C | 25°C | °C/W | °C/W | °C/W | pF |
| 1N6513 | 2000 | 2.00 | 1.50 | 1.0 | 25 | 3.5 | 2.0 | 100 | 15 | 70 | 3 | 6 | 12 | 25 |
| 1N6515 | 3000 | 1.50 | 1.00 | 1.0 | 25 | 6.0 | 1.5 | 60 | 10 | 70 | 3 | 6 | 12 | 20 |
| 1N6517 | 5000 | 1.00 | 0.50 | 1.0 | 25 | 8.0 | 1.0 | 40 | 8 | 70 | 3 | 6 | 12 | 16 |
| 1N6519 | 10000 | 0.50 | 0.25 | 1.0 | 25 | 13.0 | 0.5 | 25 | 5 | 70 | 3 | 6 | 12 | 8 |

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)If=0.5A, Ir=1.0A, Irr=0.25A • Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



| Part | A |
|--------|-------------------------------------|
| 1N6513 | .310(7.82) MAX. .250(7.6) MIN. |
| 1N6515 | .330(8.38) MAX. .270(6.85) MIN. |
| 1N6517 | .350(8.89) MAX. .290(7.37) MIN. |
| 1N6519 | .400(10.16) MAX. .340(8.64) MIN. |

