



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- High Reliability
- Very low forward voltage
- · Small surface mounting type
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Moisture Sensitivity Level 1

Maximum Ratings

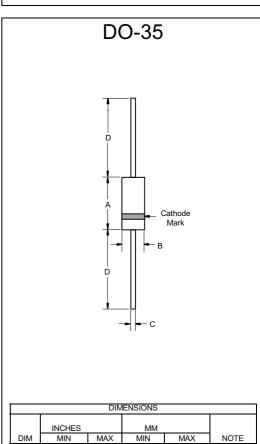
- Operating Temperature: 65°C to +125°C
- Storage Temperature: -65°C to +150°C
- Maximum Thermal Resistance; 300°C/W Junction To Ambient

Electrical Characteristics @ 25° C Unless Otherwise Specified

| Repetitive Peak Reverse Voltage | V_{RRM} | 40 V | |
|---|------------------|--|--|
| Forward continuous Current | I _F | 350mA | $T_A = 25^{\circ}C$ |
| Power Dissipation | P_{TOT} | 330mW | $T_A = 65^{\circ}C$ |
| Junction Temperature | T_J | 125°C | |
| Peak Forward Surge Current | I _{FSM} | 7.5A | T_p <10ms, T_A = 25°C |
| Forward voltage pulse Test t_p <300µS, δ <2% | V_{F} | 0.25V 0.30V 0.40V 0.50V 0.75V 0.90V | I _F =0.1mA I _F =1mA I _F = 10mA I _F = 50 mA I _F = 500mA |
| Leakage current pulse test t _p <300µS, | | 2uA 15uA 5uA | V _R =10V V _R =10V,T _J =60°C V _R =20V |
| δ<2% | I _R | 25uA 25uA 50uA | V_R =20V,T $_J$ =60°C V_R =40V V_R =40V,T $_J$ =60°C |
| Typical Junction Capacitance | С | 12 pF | Measured at 1.0MHz, V _R =1V |

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

Small Signal Schottky Diode



| DIMENSIONS | | | | | | |
|------------|--------|------|-------|------|------|--|
| | INCHES | | MM | | | |
| DIM | MIN | MAX | MIN | MAX | NOTE | |
| Α | | .166 | | 4.2 | | |
| В | | .079 | | 2.00 | | |
| С | | .020 | | .52 | | |
| D | 1.000 | | 25.40 | | | |
| | | | | | | |



Characteristics (T_j=25 unless otherwise specified)

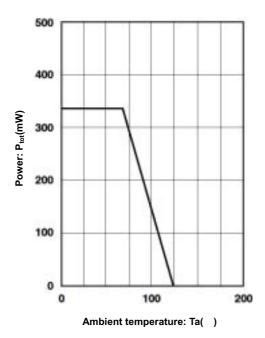


Figure 1. Admissible power dissipation vs. ambient temperature

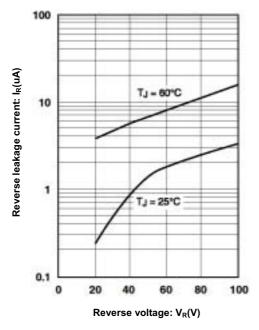


Figure 3. Typical reverse characteristics

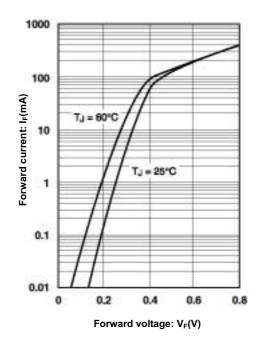


Figure 2. Forward characteristics



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Ordering Information:

| Device | Packing | |
|----------------|------------------------------|--|
| Part Number-TP | Tape&Reel: 10Kpcs/Reel | |
| Part Number-AP | Ammo Packing: 5Kpcs/Ammo Box | |
| Part Number-BP | Bulk: 100Kpcs/Carton | |

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