



ER500~ER506

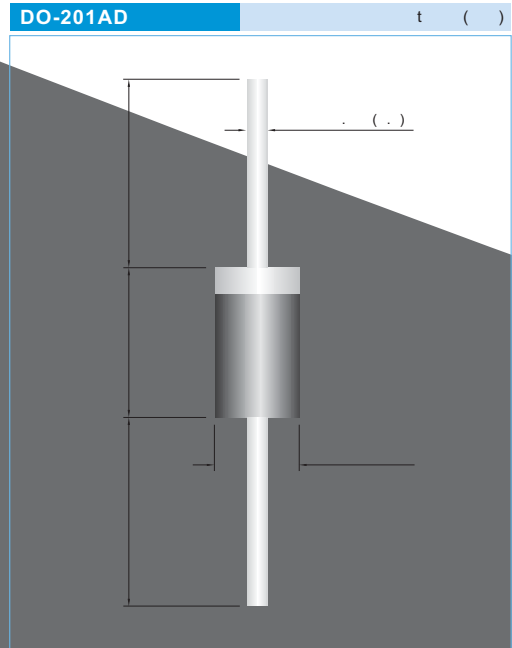
GLASS PASSIVATED JUNCTION SUPERFAST RECOVERY RECTIFIERS

FEATURES

- Superfast recovery times-epitaxial construction.
- Low forward voltage, high current capability.
- Exceeds environmental standards of MIL-S-19500/228.
- Hermetically sealed.
- Low leakage.
- High surge capability.
- Plastic package has Underwriters Laboratories Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound.
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: Molded plastic, DO-201AD
- Terminals: Axial leads, solderable to MIL-STD-750, Method 2026
- Polarity: Color Band denotes cathode end
- Mounting Position: Any
- Weight: 0.0395 ounce, 1.122 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

Symbol	Parameter	Value	Unit
t	Lead length		
t	Package height		
t	Lead diameter		
t_{rr}	Reverse Recovery Time	35	ns
C_j	Typical Junction capacitance	65	pF
$R_{\theta JA}$	Typical Junction Resistance	20	°C / W
T_J, T_{STG}	Operating and Storage Temperature Range	-55 to +150	°C

NOTES: 1. Reverse Recovery Test Conditions: $I_F=0.5A, I_R=1A, I_{rr}=0.25A$
 2. Measured at 1 MHz and applied reverse voltage of 4.0 VDC
 3. Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted



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