



Super Fast Recovery Rectifier

Voltage 400 V Current 5 A

Features

- Plastic package has Underwriters Laboratories
 Flammability Classification 94V-O utilizing
 Flame Retardant Epoxy Molding Compound
- Super fast recovery times
- Low forward voltage, high current capability
- Hermetically sealed
- Low leakage
- High surge capability
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

Mechanical Data

• Case: DO-201AD Package

• Terminals: Solderable per MIL-STD-750, Method 2026

• Approx. Weight: 0.0396 ounces, 1.122 grams

DO-201AD

Maximum Ratings and Thermal Characteristics (T_A = 25 °C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	400	V	
Maximum Rms Voltage	V _{RMS}	280	V	
Maximum Dc Blocking Voltage	V _{DC}	400	V	
Maximum Average Forward Current	I _{F(AV)}	5	Α	
Peak Forward Surge Current : 8.3 ms Single Half Sine- Wave Superimposed On Rated Load	I _{FSM}	150	А	
Typical Junction Capacitance Measured at 1 MHZ And Applied $V_R = 4 \text{ V}$	Сл	43	pF	
Timical Thomas Decistor on (Note 1)	Reja	34	0000	
Typical Thermal Resistance ^(Note 1)	Rелс	6	°C/W	
Operating Junction Temperature Range	Тл	-55~150	°C	
Storage Temperature Range	T _{STG}	-55~150	°C	





Electrical Characteristics (T_A = 25 °C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Forward Voltage	VF	I _F = 5 A, T _J = 25 °C	-	-	1.25	V
Devenue Comment	I _R	V _R = 400 V, T _J = 25 °C	ı	i	1	uA
Reverse Current		V _R = 400 V, T _J = 125 °C	ı	i	300	
Davaras Bassus Time	T_RR	I _F = 0.5 A, I _R = 1 A,	-		35	ns
Reverse Recovery Time		I _{RR} = 0.25 A, T _J = 25 °C		ı		

NOTES:

	1.	Thermal resistance from	junction to ambient and from	junction to case at 0.375"	(9.5mm)lead length P.C.B.mour
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TYPICAL CHARACTERISTIC CURVES

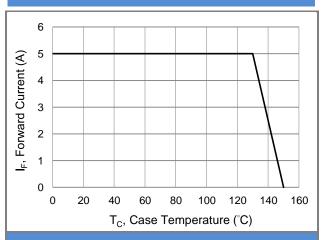


Fig.1 Forward Current Derating Curve

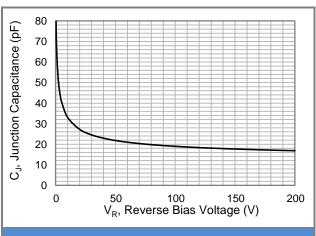


Fig.2 Typical Junction Capacitance

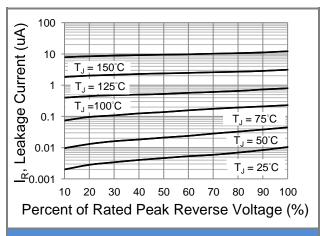
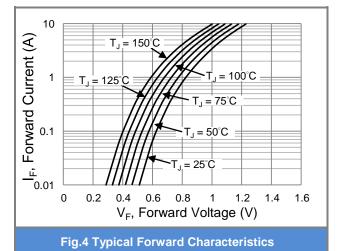
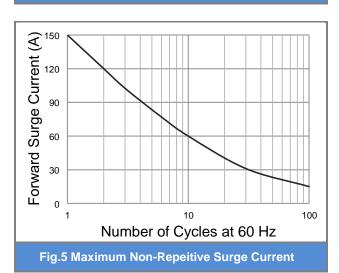


Fig.3 Typical Reverse Characteristics





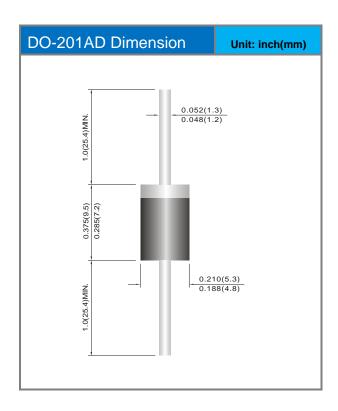




Part No. Packing Code Version

Part No. Packing Code	Package Type	Packing Type	Marking	Version
ER504_AY_00101	DO-201AD	1250pcs / Ammo	ER504	Halogen free
ER504_B0_00101	DO-201AD	500pcs / Box	ER504	Halogen free
ER504_R2_00101	DO-201AD	1250pcs / 13" reel	ER504	Halogen free

Packaging Information







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