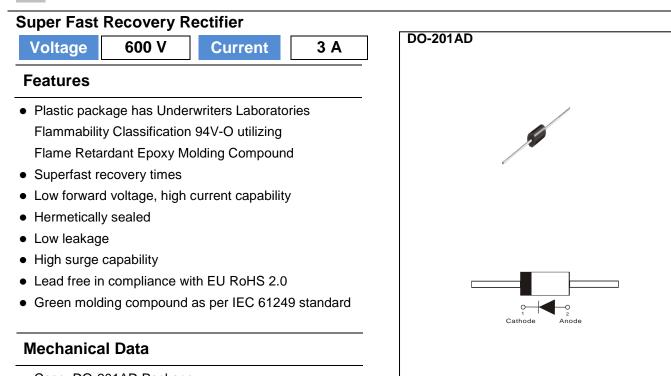
ΡΛΝ	JIT
	SEMI
	CONDUCTOR



- Case: DO-201AD Package
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0396 ounces, 1.122 grams

#### Maximum Ratings and Thermal Characteristics (T<sub>A</sub> = 25 °C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	600	V
Maximum Rms Voltage	VRMS	420	V
Maximum Dc Blocking Voltage	V <sub>DC</sub>	600	V
Maximum Average Forward Current	I <sub>F(AV)</sub>	3	А
Peak Forward Surge Current : 8.3 ms Single Half Sine- Wave Superimposed On Rated Load	I <sub>FSM</sub>	110	А
Typical Junction Capacitance Measured at 1 MHZ And Applied $V_R = 4 V$	CJ	21	pF
(Note 1) Typical Thermal Resistance	Reja Rejc	31 9	°C/W
Operating Junction Temperature Range	TJ	-55~150	°C
Storage Temperature Range	T <sub>STG</sub>	-55~150	°C



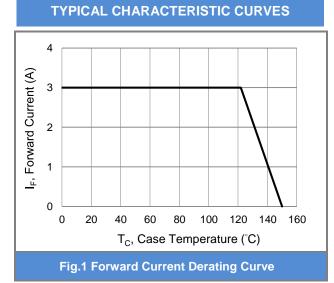
#### Electrical Characteristics (T<sub>A</sub> = 25 °C unless otherwise noted)

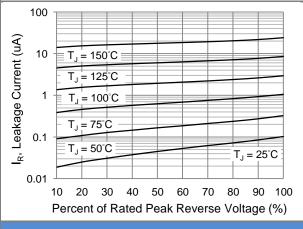
PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Forward Voltage	VF	I⊧ = 3 A, TJ = 25 °C	-	1.5	1.7	V
Reverse Current	I <sub>R</sub>	$V_R = 600 \text{ V},  \text{T}_J = 25 ^{\circ}\text{C}$	-	-	1	uA
		$V_R = 600 \text{ V},  \text{T}_J = 125 ^{\circ}\text{C}$	-	-	300	
Reverse Recovery Time	T <sub>RR</sub>	$I_F = 0.5 A, I_R = 1 A,$	_	_	35	
		I <sub>RR</sub> = 0.25 A, T <sub>J</sub> = 25 °C	-	-	55	ns

NOTES:

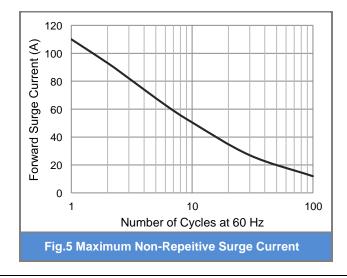
- 1. Thermal resistance from junction to ambient length 0.375" (9.5mm)P.C.B.mounted
- 2. Mounted on a FR-4 PCB, single-sided copper, with  $100 cm^2$  copper pad area

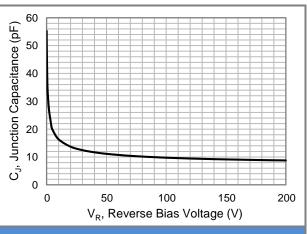




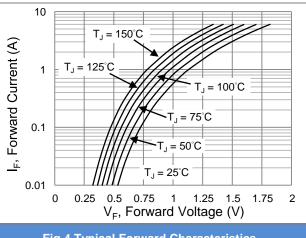


**Fig.3 Typical Reverse Characteristics** 





**Fig.2 Typical Junction Capacitance** 



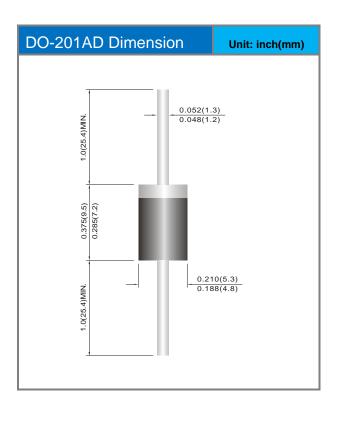
**Fig.4 Typical Forward Characteristics** 



#### Part No. Packing Code Version

Part No. Packing Code	Package Type	Packing Type	Marking	Version
ER306_AY_00101	DO-201AD	1250pcs / Ammo	ER306	Halogen free
ER306_B0_00101	DO-201AD	500pcs / Box	ER306	Halogen free
ER306_R2_00101	DO-201AD	1250pcs / 13" reel	ER306	Halogen free

#### **Packaging Information**







### Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

单击下面可查看定价,库存,交付和生命周期等信息

>>Panjit(强茂)