SEMICONDUCTOR

1.0A FAST RECOVERY RECTIFIER

Data Sheet 2700, Rev. -

Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability

Mechanical Data

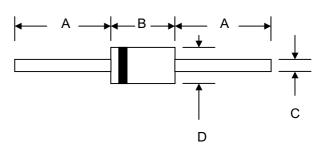
Case: Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: Cathode Band

Weight: 0.34 grams (approx.)

Mounting Position: AnyMarking: Type Number



DO-41									
Dim	Min	Max	Min	Max					
Α	25.4	_	1.000	_					
В	4.06	5.21	0.159	0.205					
С	0.71	0.864	0.028	0.034					
D	2.00	2.72	0.079	0.107					
	In mm		In inch						

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	1N4933	1N4934	1N4935	1N4936	1N4937	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	400	600	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	>
Average Rectified Output Current (Note 1) @T _A = 55°C	lo	1.0					А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30					А
Forward Voltage @I _F = 1.0A	VFM			1.2			V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	IRM	5.0 100					μΑ
Reverse Recovery Time (Note 2)	trr	200					nS
Typical Junction Capacitance (Note 3)	Cj	15					pF
Operating Temperature Range	Tj	-65 to +125					°C
Storage Temperature Range	Тѕтс	-65 to +150					°C

*Glass passivated forms are available upon request

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

- 2. Measured with IF = 0.5A, IR = 1.0A, IRR = 0.25A. See figure 5.
- 3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.
- 221 West Industry Court ☐ Deer Park, NY 11729-4681 ☐ (631) 586-7600 FAX (631) 242-9798 World Wide Web Site http://www.sensitron.com E-Mail Address sales@sensitron.com •

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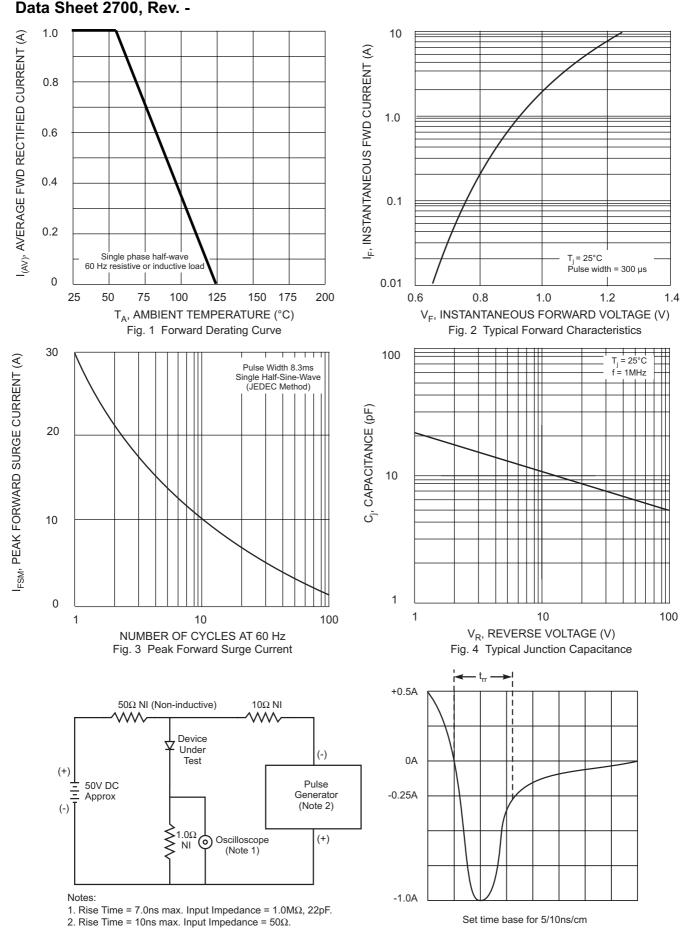


Fig. 5 Reverse Recovery Time Characteristic and Test Circuit

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