1 AMP FAST RECOVERY RECTIFIER

FEATURES

- Rating to 1000V PRV
- Low cost
- Diffused junction
- Low leakage
- Low forward voltage drop
- High current capability
- Easily cleaned with freon, alcohol, chlorothene and similar solvents
- UL recognized 94V-O plastic material

Mechanical Data

- Case: JEDEC DO-41
- Terminals: Axial leads, solderable per MIL-STD-202, Method 208
- · Polarity: Color band denotes cathode
- Weight: 0.012 ounce, 0.3 grams
- Mounting Position: Any

Maximum Ratings & Characteristics

- Ratings at 25° C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load
 For capacitive load, derate current by 20%

			1N4933	1N4934	1N4935	1N4936	1N4937	Units
Maximum Recurrent Peak Reverse Voltage		VRRM	50	100	200	400	600	V
Maximum RMS Voltage		VRMS	35	70	140	280	420	V
Maximum DC Blocking Voltage		VDC	60	100	200	400	600	V
Maximum Average Forward	@ T _A = 75°C	Lan			1.0			A
Rectified Current		(AV)			1.0			
Peak Forward Surge Current								
8.3 ms Single Half-Sine-Wave		IFSM			30			A
Superimposed On Rated Load	@ T _A = 75° C							
Maximum Forward Voltage At 1.0A DC		VF			1.2			V
Maximum DC Reverse Current	@ T _A = 25°C	IR	5					
At Rated DC Blocking Voltage	@ T _A = 100°C	ⁱ R		100				μΑ
Maximum Reverse Recovery Time	@ T _J = 25° C	trr		200				
(Note 1)		urr						ns
Typical Junction Capacitance (Note 2)		Сј			15			pF
Typical Thermal Resistance (Note 3)		RthJA			50		-	°C/W
Operating Temperature Range		ТJ		-	65 to +15	0		°C
Storage Temperature Range		Тѕтс			-65 to +175	5		°C

Notes: 1. Measured with I_F = 1.0A, V_R = 30V, di/dt - 50A/µs

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC

3. Thermal resistance Junction to Ambient



Outline Drawing

