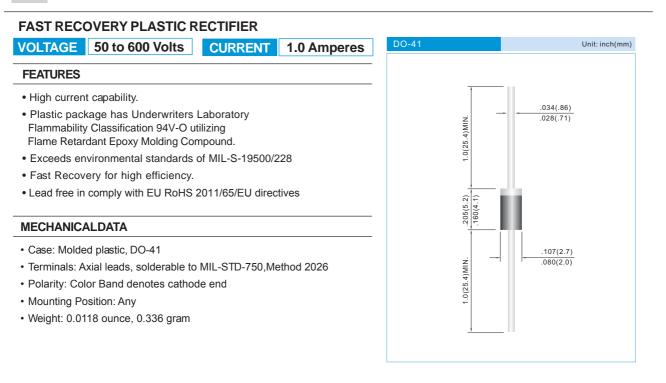


# 1N4933~1N4937



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER	SYMBOL	1N4933	1N4934	1N4935	1N4936	1N4937	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	V
Maximum RMS Voltage		35	70	140	280	420	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	V
Maximum Average Forward Current .375"(9.5mm) lead length at T <sub>a</sub> =55°C	I <sub>f(AV)</sub>	1.0					А
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I <sub>FSM</sub>	30					А
Maximum Forward Voltage at 1.0A	V <sub>F</sub>	1.2					V
Maximum DC Reverse Current at T,=25°C Rated DC Blocking Voltage T,=100°C	I <sub>R</sub>	5.0 500					μA
Maximum Reverse Recovery Time (Note 1)	t <sub>rr</sub>	200					ns
Typical Junction capacitance (Note 2)	CJ	12					рF
Typical Junction Resistance(Note 3)	R <sub>eja</sub>	41					°C / W
Operating Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>STG</sub>	-55 to +150				°C	

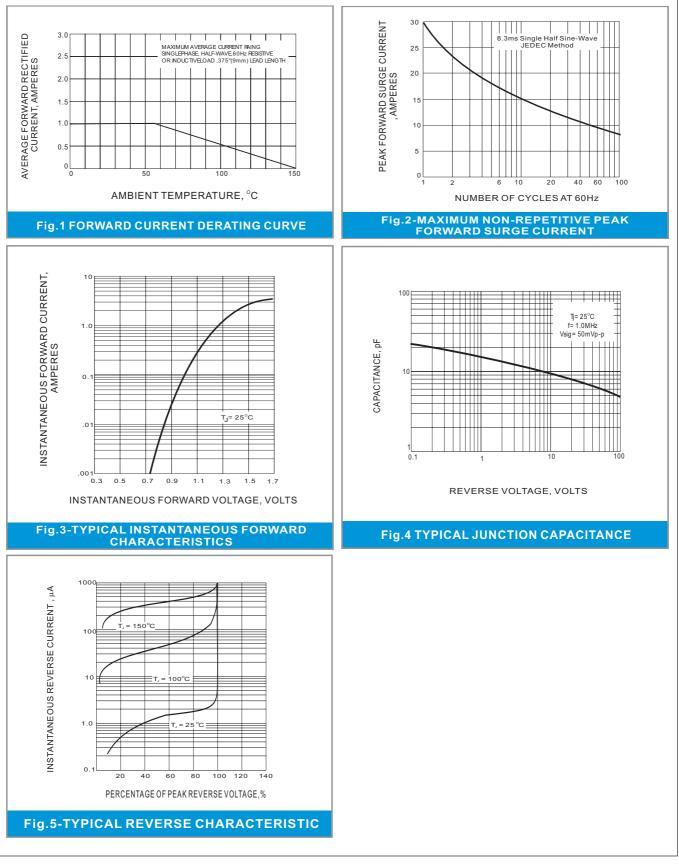
- NOTES:1. Reverse Recovery Test Conditions: IF=.5A, IR=1A, Irr=.25A
  - 2. Measured at 1 MHz and applied reverse voltage of 4.0 VDC
  - 3. Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted

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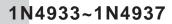


## 1N4933~1N4937

#### RATING AND CHARACTERISTIC CURVES







## Part No\_packing code\_Version

1N4933_AY_00001
1N4933_AY_10001
1N4933_B0_00001
1N4933_B0_10001
1N4933_R2_00001
1N4933_R2_10001

### For example :

RB500V-40\_R2\_00001

- Serial number

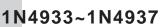
• Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX				Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code	
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				

1





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1