ΡΛΝ	ĴΤ
	SEMI CONDUCTOR



1N4148 SWITCHING DIODES DO-34 Unit : inch(mm) 100 V 500 mW Voltage Power Features 0.018(0.45) .02(26.0)MIN • Fast Switching Speed 0.014(0.35) Electrically Identical to Standerd JEDEC High Conductance Lead free in compliance with EU RoHS2.0 (2011/65/EU & 2015/865/EU directive) • Green molding compound as per IEC61249 Std. . (Halogen Free). 0.092(2.3) 0.116(2.9) Mechanical Data Case: Molded Glass DO-34 • 0.083(2.1) Terminals: Solderable per MIL-STD-750, Method 2026 02(26.0)MIN Approx. Weight: 0.09 grams Packing information B - 2K per Bulk box T/R - 10K per 15" plastic Reel T/B - 5K per horiz. tape & Ammo box Maximum Ratings ($T_A=25^{\circ}C$ unless otherwise noted) SYMBOL UNIT PARAMETER VALUE V Peak Reverse Voltage Vrm 100 Surge Forward Current at t<1s and TJ=25°C 500 mΑ **I**FSM Power Dissipation at TA=25°C Ρτοτ 500 mW 300 Forward Continuous current IF mΑ Maximum Forward Voltage at IF=10mA VF V 1 Maximum Leakage Current at V_R=20V 25 nA IR at V_R=75V 5 μΑ at VR=20V, TJ=150°C 50 μΑ Maximum Capacitance at VF=VR=0 Сл 4 pF Maximum Reverse Recovery Time From TRR 4 ns

Note : 1.CJ at VR=0,f=1MHz

Typical Thermal Resistance

2. From IF=10mA to IR=1mA, VR=6V, RL=100 Ω

Junction Temperature And Storage Temperature Range

IF=-IR=10mA to IRR=-1mA, VR=6V, RL=100 Ω

°C/W

°C

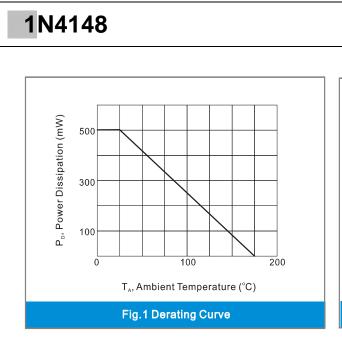
300

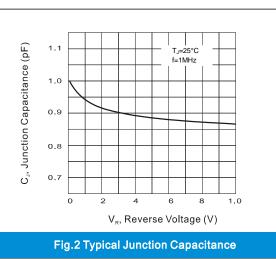
-65 to +175

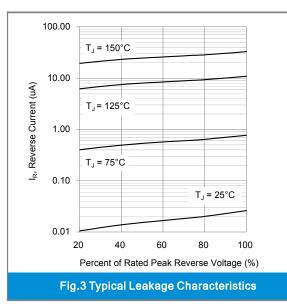
Reja

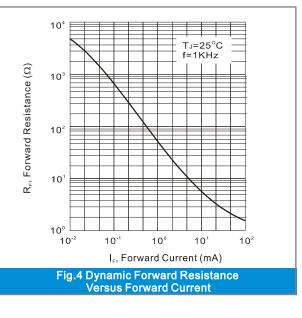
TJ, TSTG

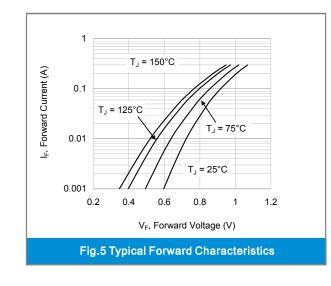


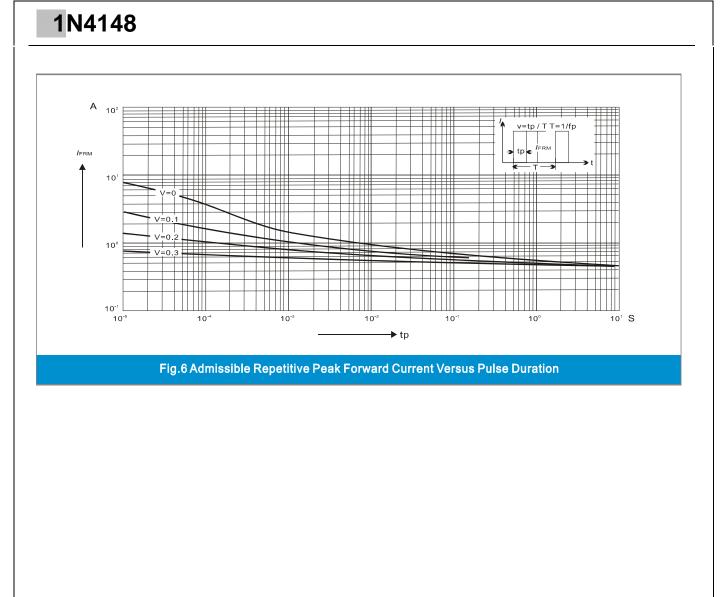


















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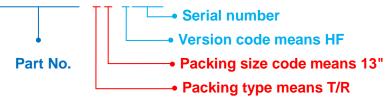


Part No_packing code_Version

1N4148-34_AX_10001 1N4148-34_AY_10001 1N4148-34_B0_10001 1N4148-34_R2_10001

For example :

RB500V-40_R2_00001



Packing Code XX			Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th 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			





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