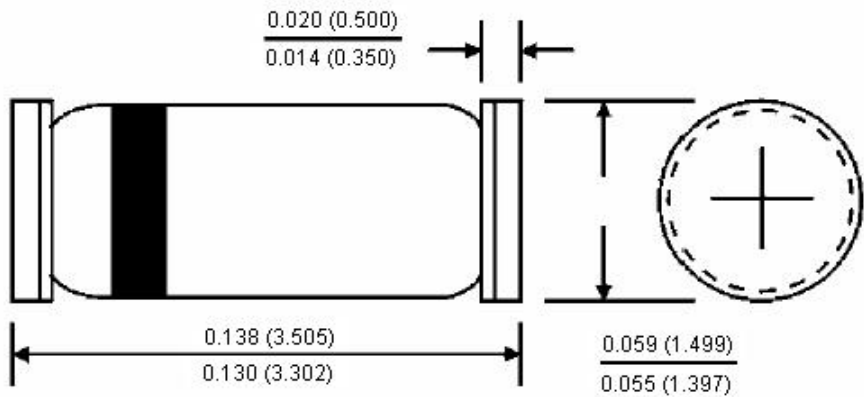




Features:

- Fast switching device ($T_{RR} < 4.0\text{nS}$).
- LL-34 (Mini-MELF) package.
- Surface device type mounting.
- Hermetically sealed glass.
- Compression bonded construction.
- All external surfaces are corrosion resistant and terminals are readily solderable.
- RoHS compliant.
- Matte tin (Sn) lead finish.
- Blue color band indicates negative polarity.

MINI MELF



Dimensions : Inches (Millimetres)

Maximum Ratings and Electrical Characteristics

Rating at 25°C Ambient Temperature Unless Otherwise Specified.

Type Number	Symbol	Value	Units
Power Dissipation	P_d	500	mW
Working Inverse Voltage	W_{IV}	75	V
Non-repetitive Peak Forward Current	I_{FM}	450	mA
Average Rectified Current	I_O	150	
Peak Forward Surge Current	$I_{F \text{ SURGE}}$	2	A
Operating Junction Temperature	T_J	175	°C
Storage Temperature Range	T_{STG}	-65 to +200	

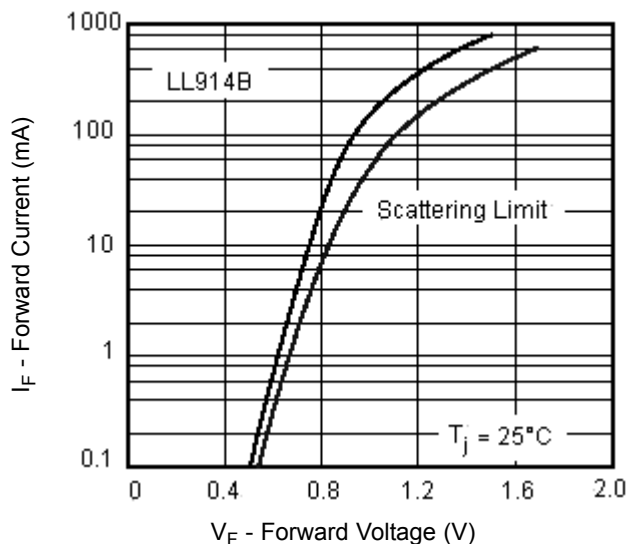
Electrical Characteristics

Type Number	Symbol	Minimum	Maximum	Units
Breakdown Voltage $I_R = 100\mu\text{A}$ $I_R = 5\mu\text{A}$	B_V	100 75	-	V
Forward Voltage LL914B $I_F = 5.0\text{mA}$ LL914B $I_F = 100\text{mA}$	V_F	0.62 -	0.72 1.0	
Reverse Leakage Current $V_R = 20\text{V}$ $V_R = 75\text{V}$	I_R	-	25 5	nA μA
Junction Capacitance $V_R = 0, f = 1.0\text{MHz}$	C_j	-	4.0	pF
Reverse Recovery Time (Note 1)	t_{rr}	-		nS

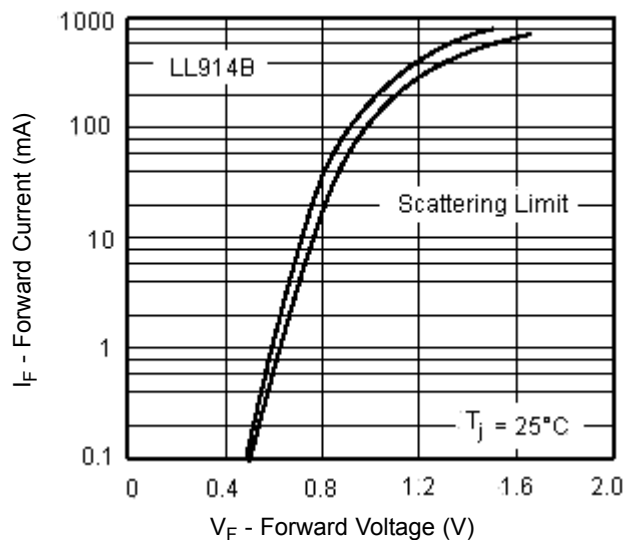
Notes: 1. Reverse Recovery Test Conditions: $I_F = 10\text{mA}$, $V_R = 6\text{V}$, $R_L = 100\Omega$, $I_{RR} = 1\text{mA}$

Ratings and Characteristic Curves (LL914B)

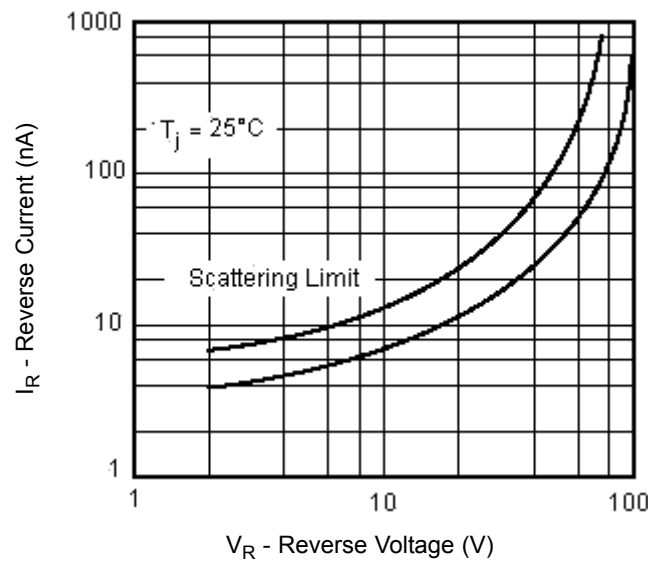
Forward Current vs. Forward Voltage



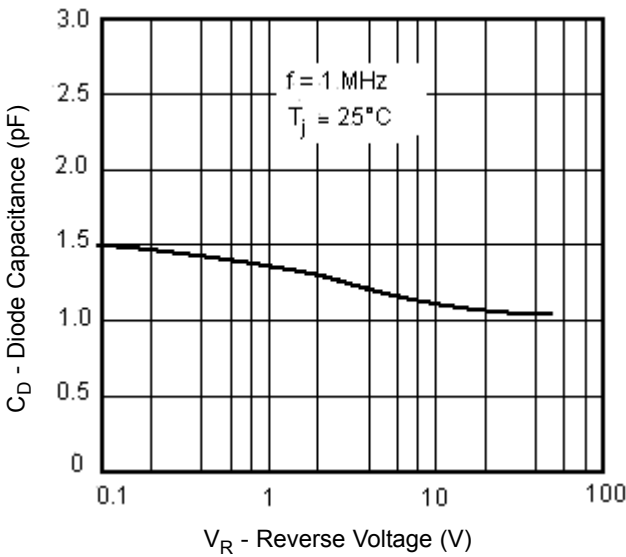
Forward Current vs. Forward Voltage



Reverse Current vs. Reverse Voltage



Diode Capacitance vs. Reverse Voltage



Part Number Table

Description	Part Number
Diode, High Speed, Mini-Melf	LL914B

Notes:**International Sales Offices:**

	AUSTRALIA – Farnell Tel No: ++61 1300 361 005 Fax No: ++61 1300 361 225		FINLAND – Farnell Tel No: ++ 358 9 560 7780 Fax No: ++ 358 9 345 5411		ITALY – Farnell Tel No: ++ 39 02 93 995 200 Fax No: ++ 39 02 93 995 300		SPAIN – Farnell Tel No: 901 20 20 80 Fax No: 901 20 20 90
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