



# RB521S30FN2

## SURFACE MOUNT SCHOTTKY DIODES

**VOLTAGE** 30 Volt **CURRENT** 200 mA

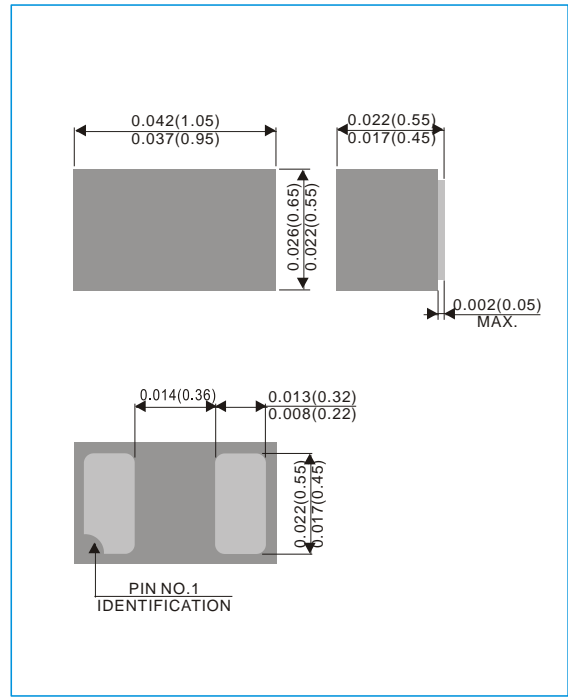
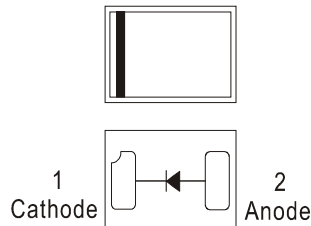
**DFN 2L** Unit : inch(mm)

### FEATURES

- Extremely High Switching Speed
- Surface mount package ideally suited for automatic insertion
- Lead free in compliance with EU RoHS2.0 (2011/65/EU & 2015/865/EU directive)
- Green molding compound as per IEC61249 Std. . (Halogen Free)

### MECHANICAL DATA

- Case: DFN 2L, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Appox Weight: 0.00004 ounces, 0.001 grams
- Marking: 20



### ABSOLUTE RATINGS

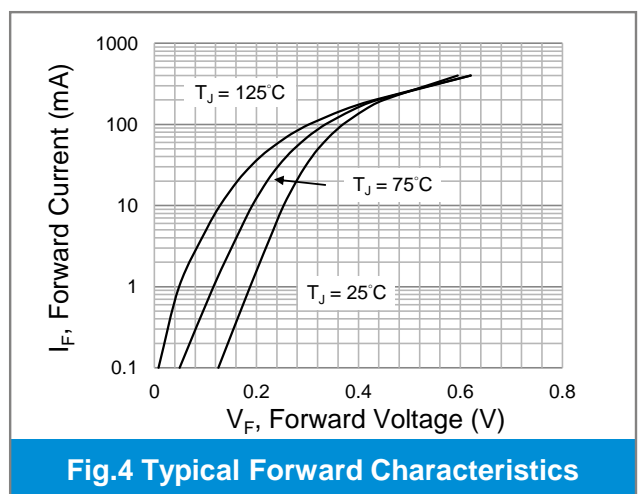
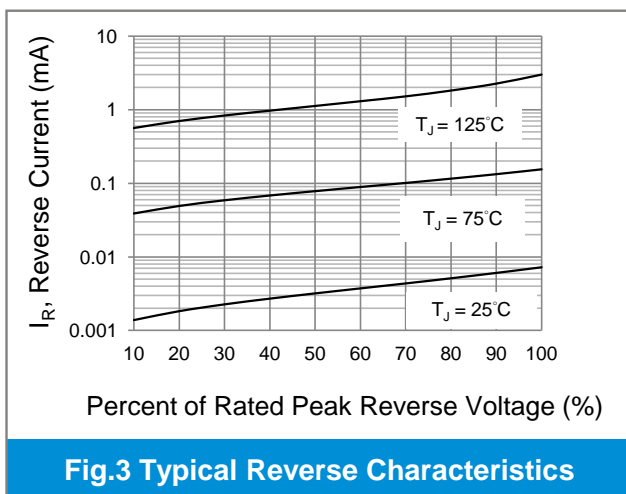
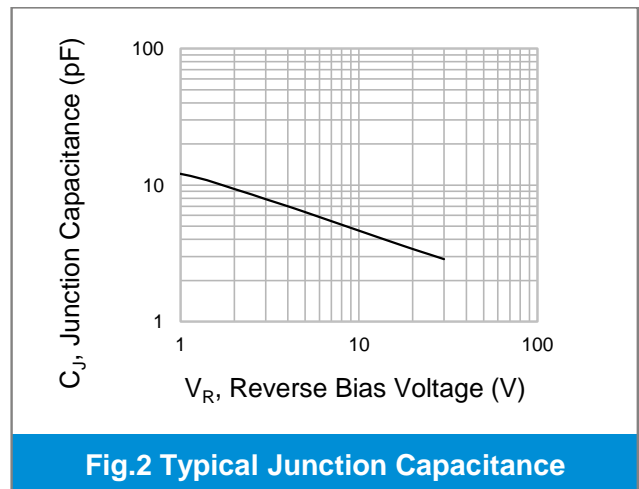
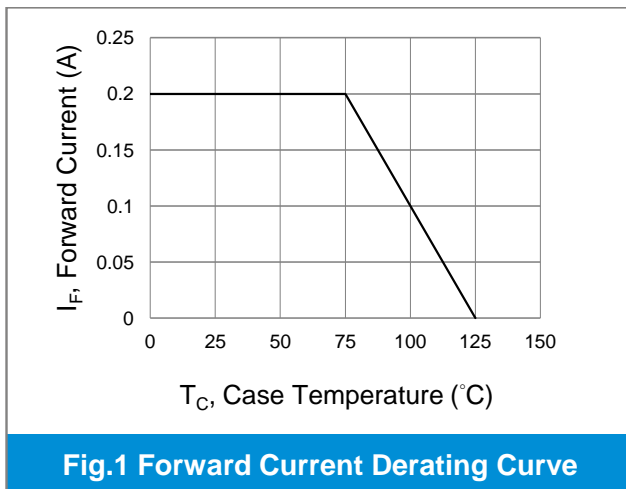
Parameter	Symbol	Value	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	30	V
Maximum RMS Voltage	$V_{RMS}$	24	V
Maximum DC Blocking Voltage	$V_{DC}$	30	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	0.2	A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	2	A
Typical Thermal Resistance	$R_{\theta JA}$	430	°C/W
Operating Junction Temperature Range	$T_J$	-55 to + 125	°C
Storage Temperature Range	$T_{STG}$	-55 to + 125	°C



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## ELECTRICAL CHARACTERISTICS ( $T_J = 25^\circ\text{C}$ unless otherwise noted )

Parameter	Test Conditions		Symbol	MIN.	TYP.	MAX.	Units
Breakdown voltage	$I_R = 0.5\text{mA}$	$T_J = 25^\circ\text{C}$	$V_{BR}$	30	-	-	V
Forward Voltage	$I_F = 10\text{mA}$ $I_F = 20\text{mA}$ $I_F = 100\text{mA}$ $I_F = 200\text{mA}$	$T_J = 25^\circ\text{C}$	$V_F$	-	0.25	-	V
	$I_F = 10\text{mA}$ $I_F = 20\text{mA}$ $I_F = 100\text{mA}$	$T_J = 125^\circ\text{C}$		-	0.13	-	
Reverse Current	$V_R = 10\text{V}$	$T_J = 25^\circ\text{C}$ $T_J = 85^\circ\text{C}$	$I_R$	-	2	-	$\mu\text{A}$
	$V_R = 30\text{V}$	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$		-	-	30	$\mu\text{A}$ mA



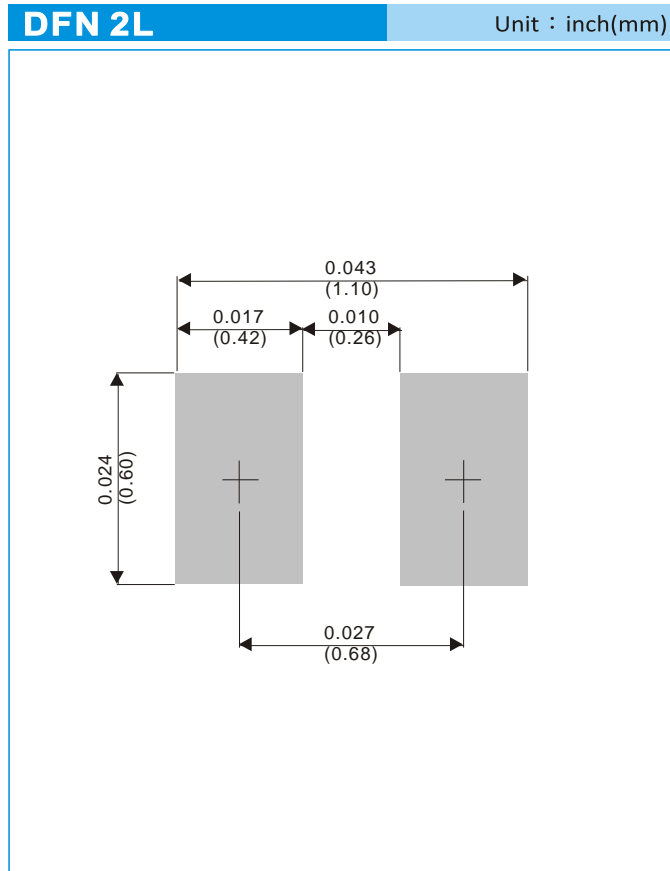


# RB521S30FN2

## Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
RB521S30FN2_R1_00001	DFN 2L	8K pcs / 7" reel	20	Halogen free

## MOUNTING PAD LAYOUT





## RB521S30FN2

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