



RN141TS

PIN DIODE

FEATURES

- High Frequency Switching
- Ultra Small mold type (EMD2)
- High Frequency Resistance is Very Small
- Silicon Epitaxial Planer
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: SOD-523, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

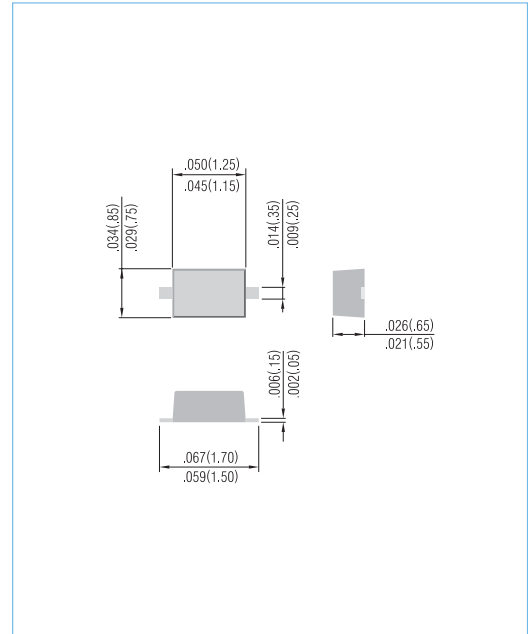
Polarity: See Diagram Below

Approx.Weight : 0.002 gram

Marking : K8

SOD-523

Unit: inch (mm)



ABSOLUTE MAXIMUM RATINGS (T_A = 25°C)

PARAMETER	SYMBOL	LIMITS	UNITS
Reverse Voltage (repetitive peak)	V _R	50	V
Forward Current	I _F	100	mA
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to 150	°C

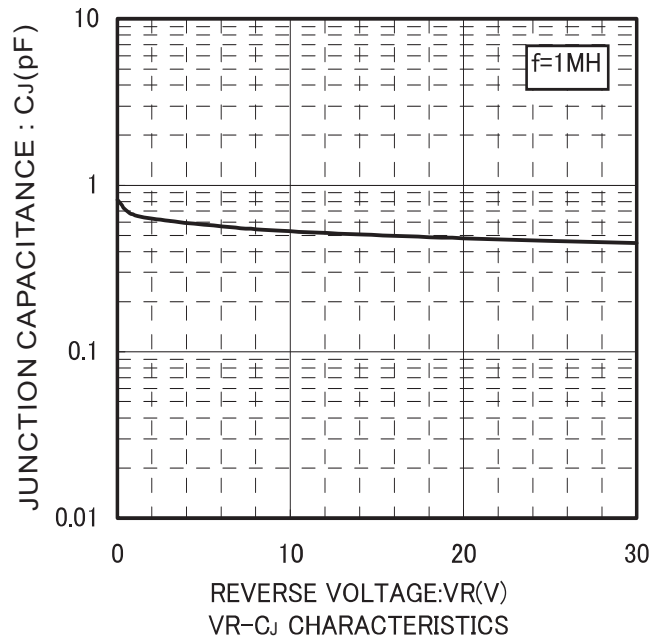
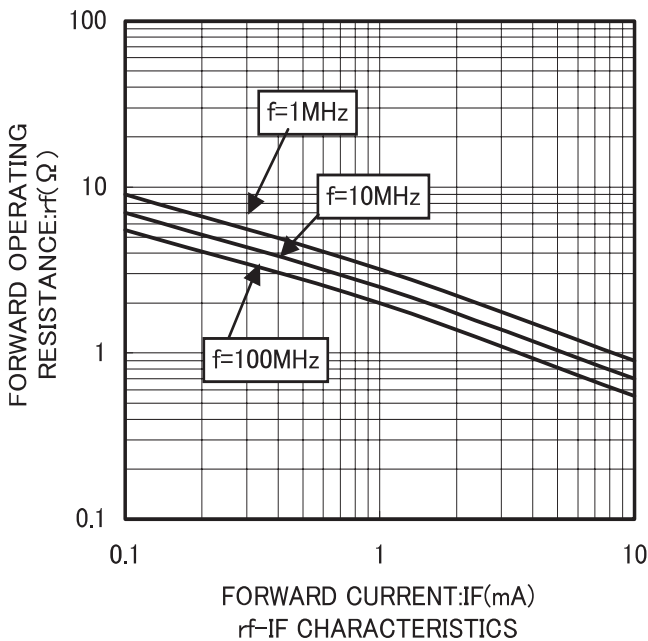
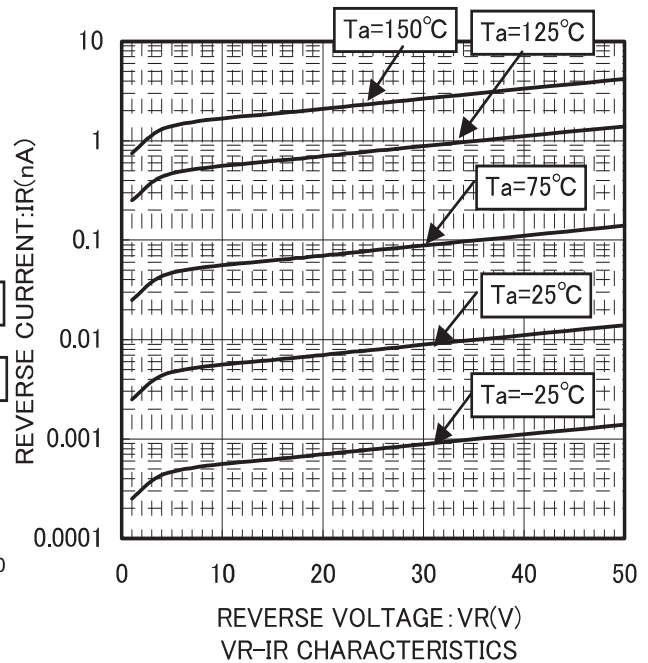
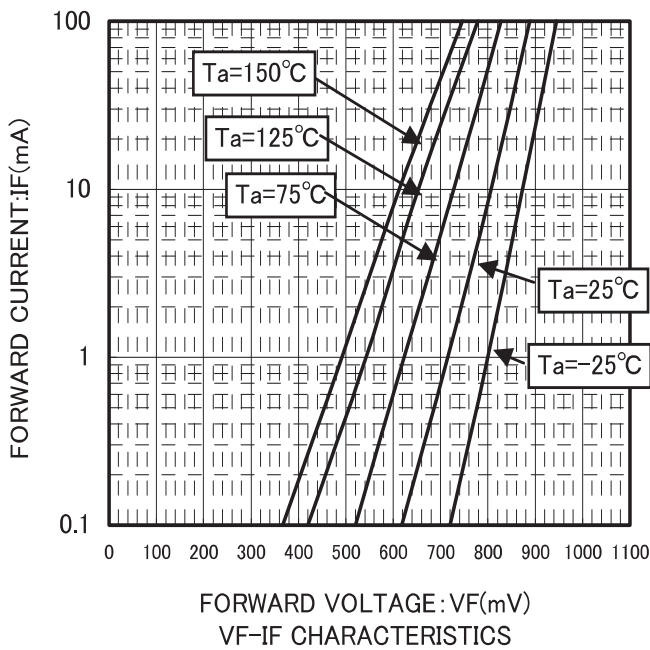
ELECTRICAL CHARACTERISTICS (T_A = 25°C)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Forward Voltage	V _{F1}	I _F = 10mA	-	-	1.0	V
Reverse Current	I _{R1}	V _R = 50V	-	-	0.1	μA
Junction Capacitance	C _J	V _R = 1.0V, f=1MHz	-	-	0.8	pF
Forward Resistance	R _f	I _F =3mA, f=100MHz	-	-	2	Ω



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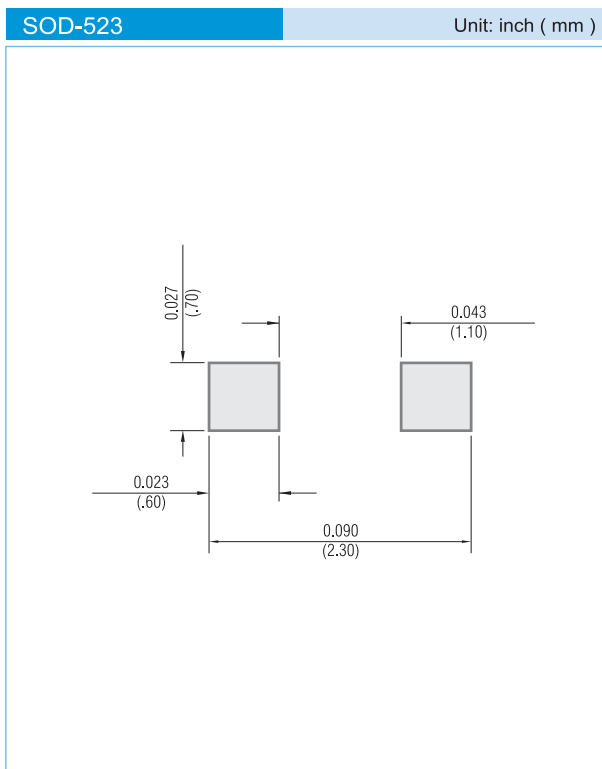
●Electrical characteristic curves





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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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