

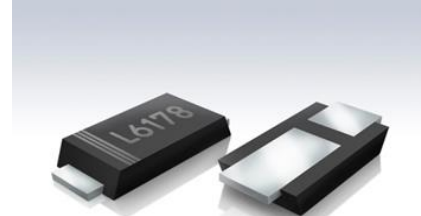
L9204F

EK0506-0008 Ver.B

PIN Diode

■ FEATURES

- High power handling for VHF/UHF band
- Small capacitance at zero bias
and/or extremely small reverse bias
- Low series resistance
- Very low insertion loss, high isolation
- Surface mountable plastic molded package
- RoHS compliant
- Lead free / Halogen free



size : 1.6 x 3.5 x 0.5 mm (typ)

■ MECHANICAL DATA

- Case : SOD-123 ST package
molded plastic.
- Terminals : Tin plated, solderable per
MIL-STD-750, method 2026.
- Polarity : Indicated by cathode band.

■ ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATING	UNITS
VR	Reverse Voltage	180	V
PD *	Power Dissipation	1	W
Tj	Junction Temperature	150	°C
Tstg	Storage Temperature Range	-55 to 150	°C

*) Mounting on glass epoxy PCB (50mm x 50mm x 1.6mm)

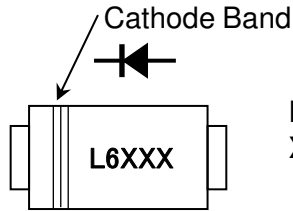
■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL	PARAMETER	CONDITIONS	LIMITS			UNITS
			MIN	TYP	MAX	
IR	Reverse Current	VR = 180V	-	-	10	μA
VF	Forward Voltage	IF = 50mA	-	-	1.0	V
CT	Diode Capacitance	VR =40V, f = 100MHz	-	0.6	0.9	pF
Rfs	Forward Series Resistance	IF = 50mA, f = 100MHz	-	0.4	0.65	Ω
Rp	Parallel Resistance	VR =0V, f = 100MHz	1.0	3.0	-	kΩ

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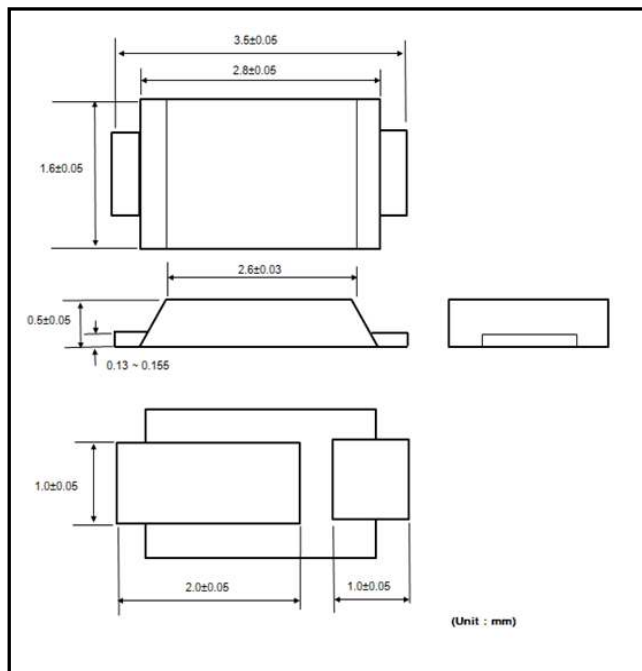
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MARKING INFORMATION

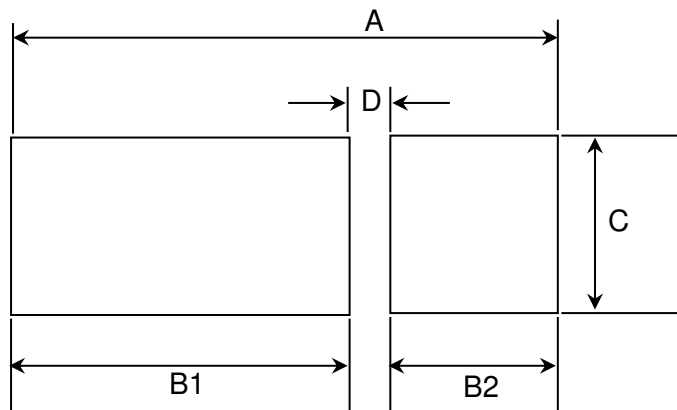


L6 : Parts number L9204F
XXX : Lot Code (3~4digits)

PACKAGE OUTLINE INFORMATION

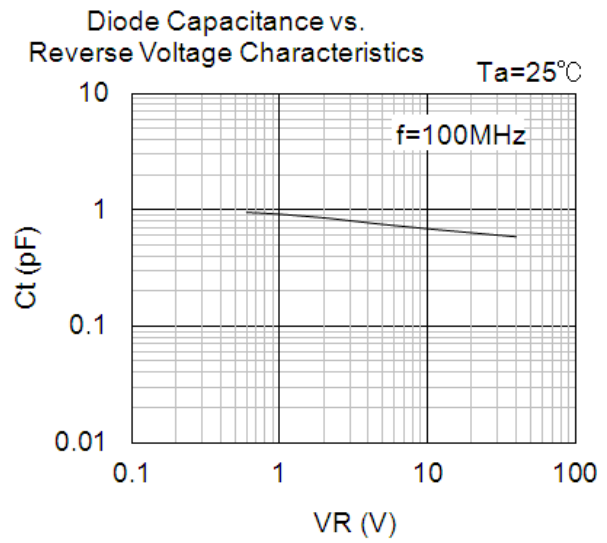
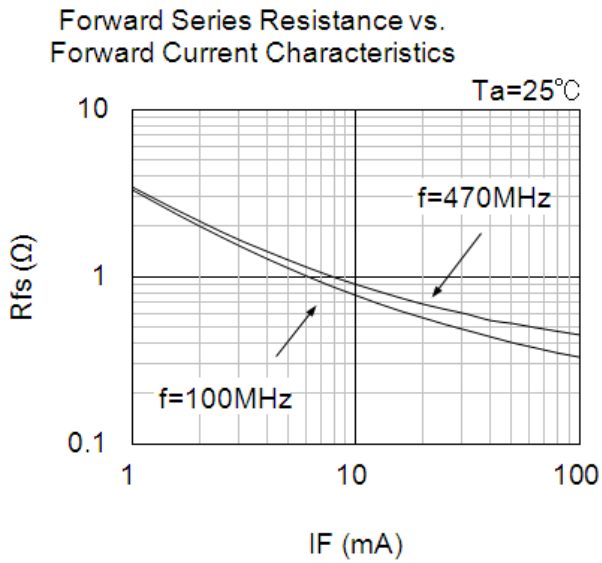
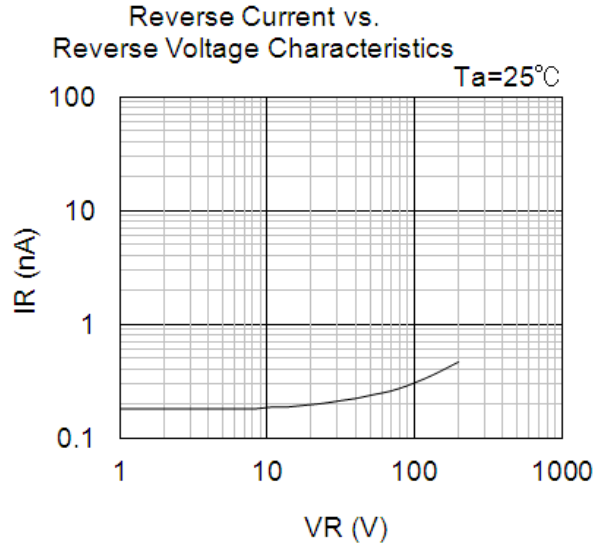
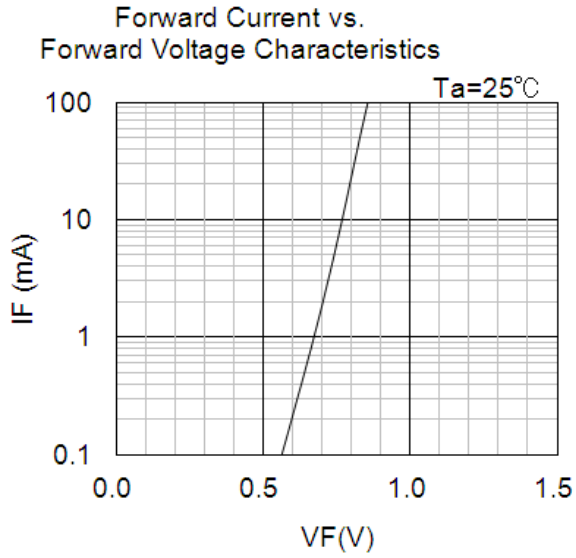


SUGGESTED PAD LAYOUT



Size	SOD-123ST
A	3.9
B1	2.3
B2	1.3
C	1.4
D	0.3
unit	mm

■ TYPICAL PERFORMANCE CHARACTERISTICS





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