

## PIN Diode

### ■ FEATURES

- High power handling
- Extremely small reverse bias
- Low series resistance
- Very low insertion loss, high isolation
- Hermetic ceramic MELF package
- RoHS compliant
- Pb free



### ■ DESCRIPTIONS

The L8104A PIN diode is designed for high power antenna switches in two-way radios.

### ■ ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATINGS	UNITS
VR	Reverse Voltage	180	V
PD *	Power Dissipation	3	W
TJ	Junction Temperature	175	°C
Tstg	Storage Temperature Range	-55 to 175	°C

\* ) 25°C contact

### ■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

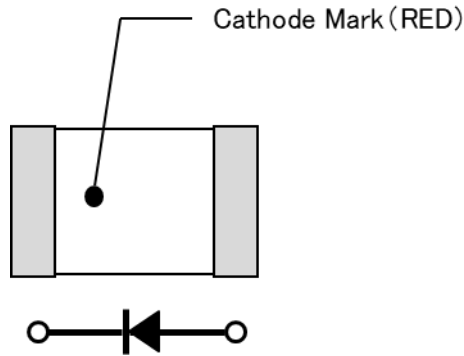
SYMBOL	PARAMETER	CONDITIONS	LIMITS			UNITS
			MIN	TYP	MAX	
IR	Reverse Voltage	VR=180V	-	-	10	uA
VF	Forward Voltage	IF=50mA	-	-	1.0	V
Ct	Diode Capacitance	VR=40V , f=100MHz	-	-	1.2	pF
Rfs	Forward Series Resistance	IF=50mA , f=100MHz	-	0.3	0.5	Ω
Rp	Parallel Resistance	VR=0V , f=100MHz	1.0	3.0	-	kΩ

# L8104A

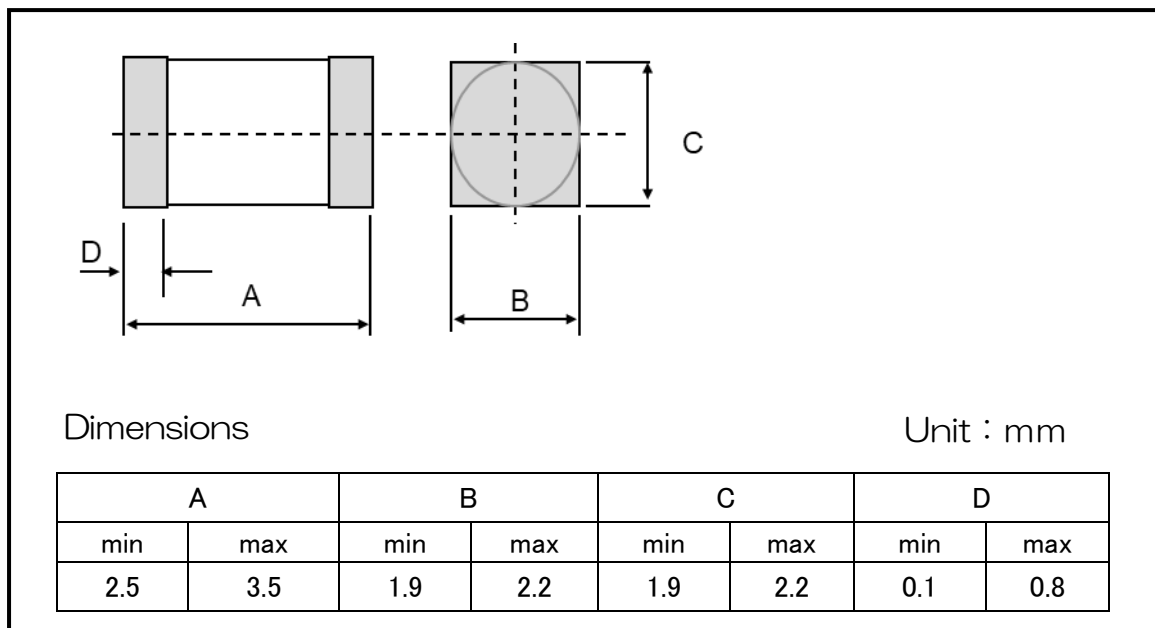
EK0502-0027 Ver.C

## PIN Diode

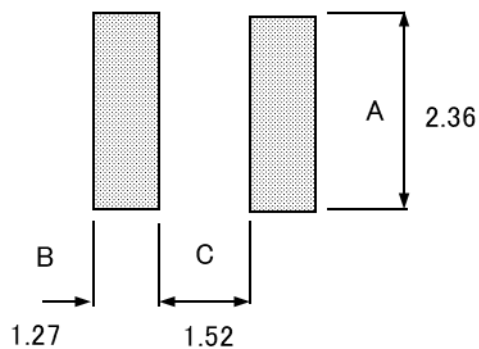
### MARKING



### DIMENSIONAL OUTLINE DRAWING



### RECOMMENDED LAND PATTERNS

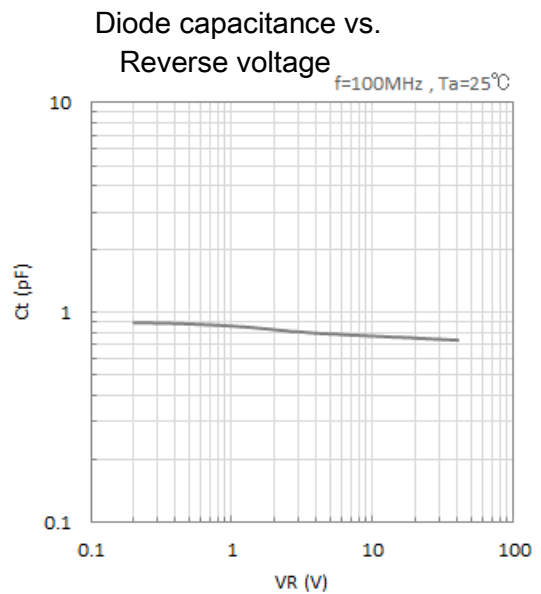
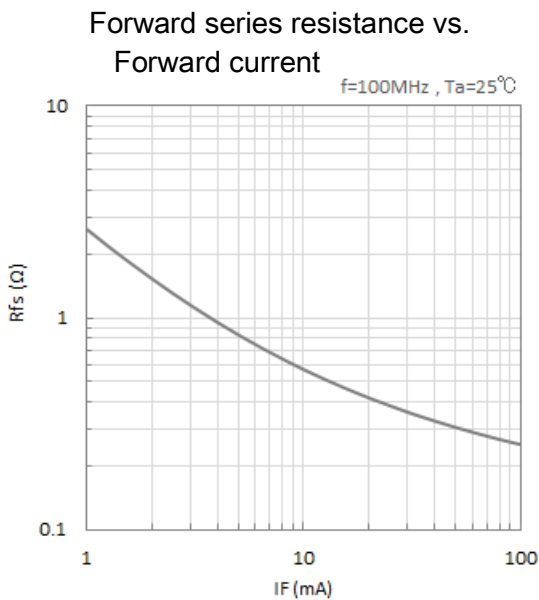
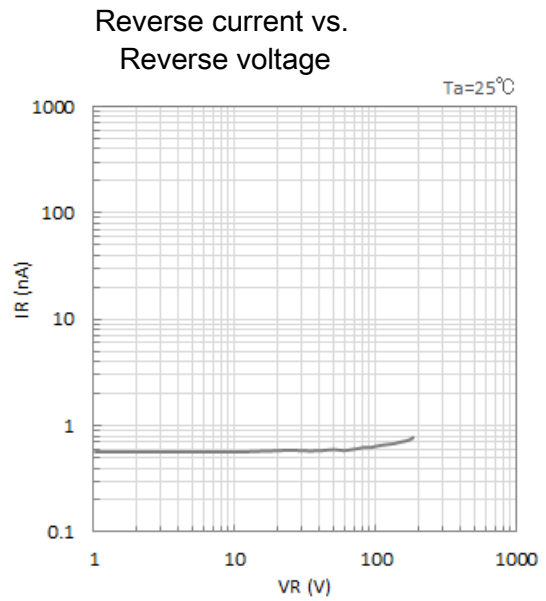
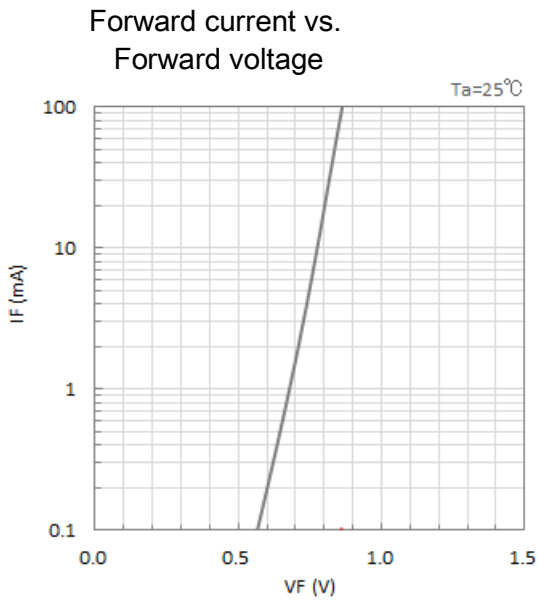


# L8104A

EK0502-0027 Ver.C

## PIN Diode

### ■ TYPICAL PERFORMANCE



## IMPORTANT NOTICE

Litec Corporation reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes.

Litec Corporation does not assume any liability arising out of the application or use of any product described herein;

neither does it convey any license under its patent rights, nor the rights of others.

The user of products in such applications shall assume all risks of such use and will agree to hold Litec Corporation and all the companies whose products are represented on our website, harmless against all damages.

The products located on our website at [www.litec-corp.com](http://www.litec-corp.com) are not recommended for use in life support systems where a failure or malfunction of the component may directly threaten life or cause injury without the expressed written approval of Litec Corporation.

## CONTACT



Litec Corporation

Funakoshi Medical Building, Nakagyo-ku, Kyoto 604-0866, Japan

Phone : 81-75-211-6448      FAX : 81-75-211-6449

URL <https://litec-corp.com/>