

# L8104-240

EK0502-0024 Ver.C



## PIN Diode

### ■ FEATURES

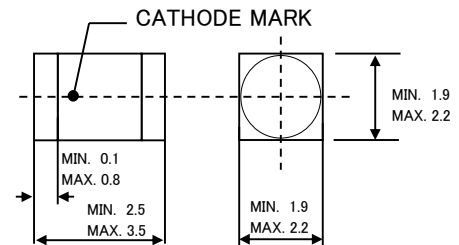
- High Power Handling
- Low Capacitance at Zero Bias,  
Extremely Small Reverse Bias
- Low Series Resistance
- Very Low Insertion Loss, High Isolation
- Repetitive Peak Reverse Voltage 240V
- Hermetic Ceramic MELF Package
- RoHS Compliant
- Pb Free

### ■ DESCRIPTIONS

The L8104-240 PIN diode is designed for high power antenna switches in two-way radios.

### ■ DIMENSIONS

Unit : mm



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

SYMBOL	PARAMETER	RATING	UNITS
VR	Reverse Voltage	240	V
PD *	Power Dissipation	3	W
Tj	Junction Temperature	175	°C
Tstg	Storage Temperature Range	-55 to 175	°C

\*) 25°C contacts

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

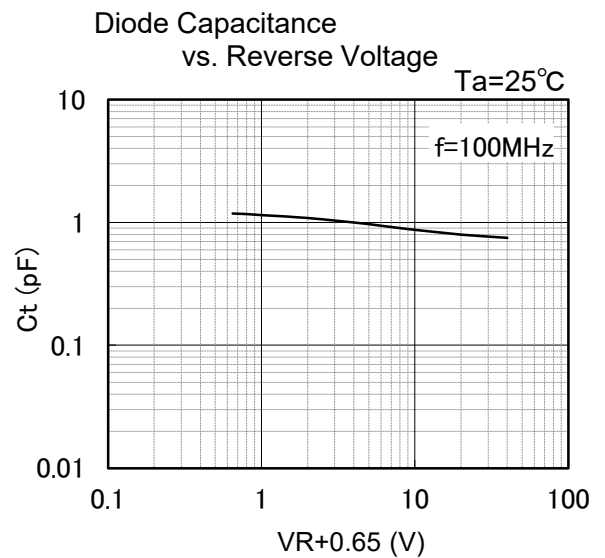
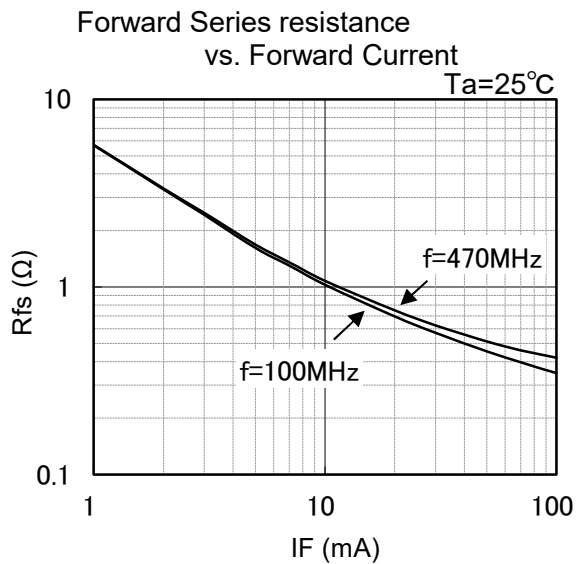
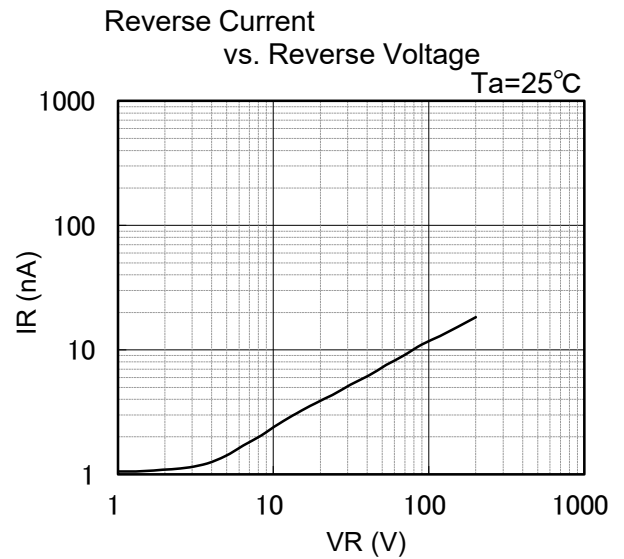
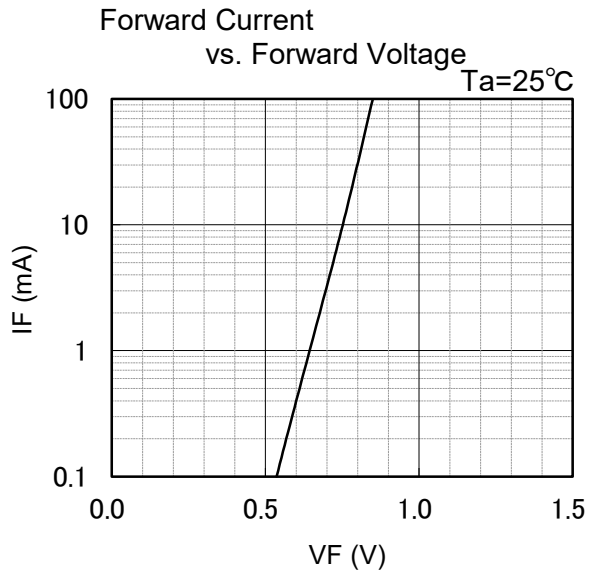
SYMBOL	PARAMETER	CONDITIONS	LIMITS			UNITS
			MIN	TYP	MAX	
IR	Reverse Current	VR = 200V	-	-	10	μA
VF	Forward Voltage	IF = 50mA	-	-	1.0	V
CT	Diode Capacitance	VR = 40V, f = 100MHz	-	-	1.2	pF
Rfs	Forward Series Resistance	IF = 50mA, f = 100MHz	-	0.5	0.75	Ω
RP	Parallel Resistance	VR = 0V, f = 100MHz	1.0	3.0	-	KΩ

# L8104-240

EK0502-0024 Ver.C

## PIN Diode

### ■ TYPICAL PERFORMANCE CHARACTERISTICS



## 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  
TEL : 81-75-211-6448      FAX : 81-75-211-6449  
URL : <http://www.litec-corp.com/>