

L8104A-240

EK0502-0029 Ver.C



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-240 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	240	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)

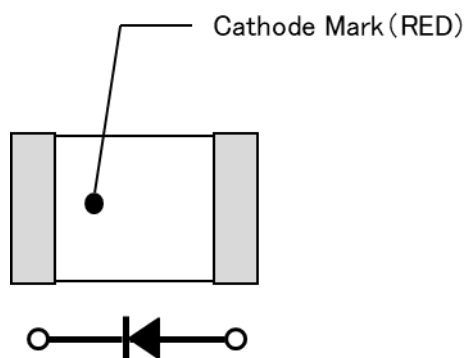
SYMBOL	PARAMETER	CONDITIONS	LIMITS			UNITS
			MIN	TYP	MAX	
IR	Reverse Voltage	VR=240V	-	-	10	uA
VF	Forward Voltage	IF=50mA	-	-	1.0	V
Ct	Diode Capacitance	VR=40V , f=100MHz	-	-	1.2	pF
Rfs	Forward Series Resistance	IF=50mA , f=100MHz	-	0.3	0.5	Ω
Rp	Parallel Resistance	VR=0V , f=100MHz	1.0	3.0	-	kΩ

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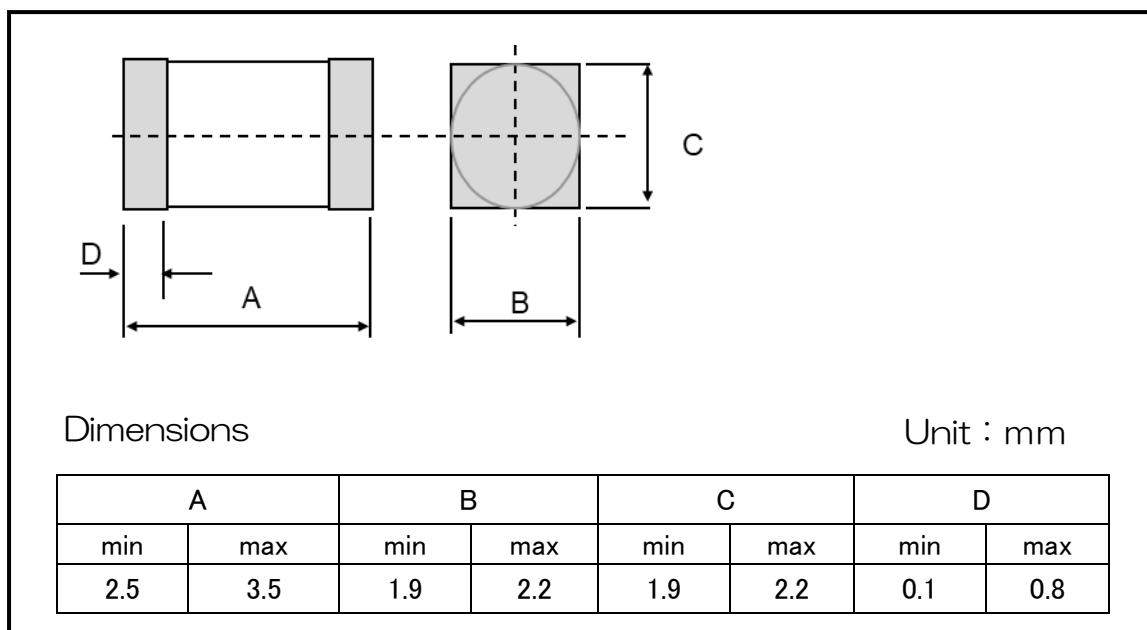
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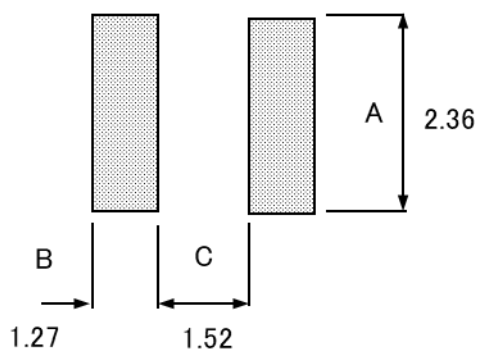
MARKING



DIMENSIONAL OUTLINE DRAWING



RECOMMENDED LAND PATTERNS

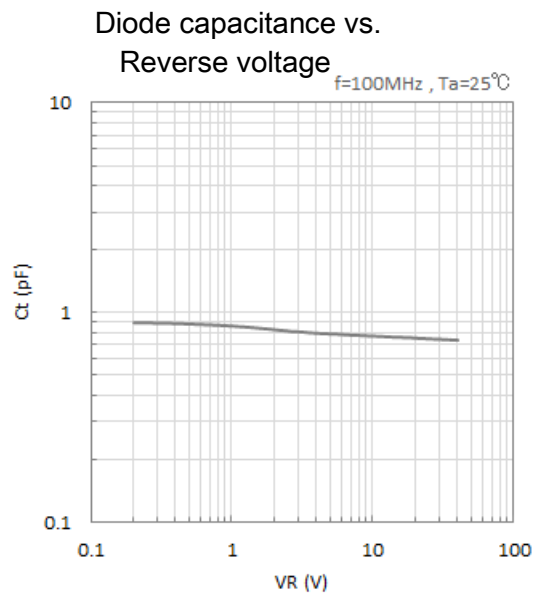
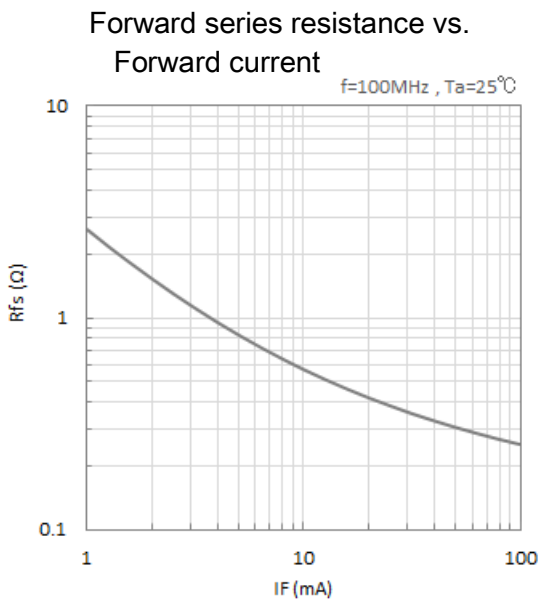
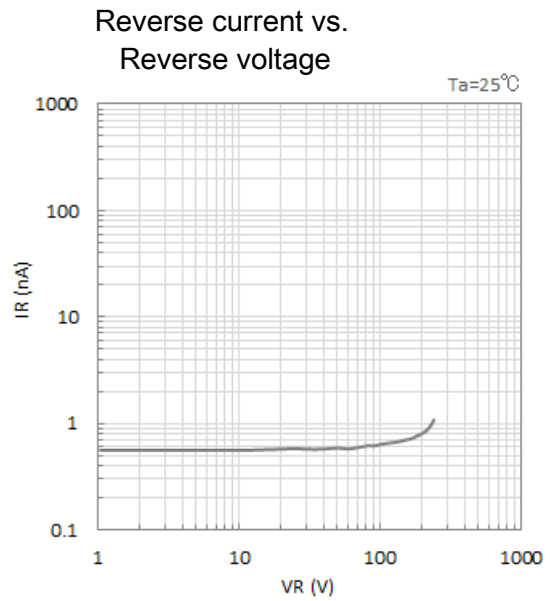
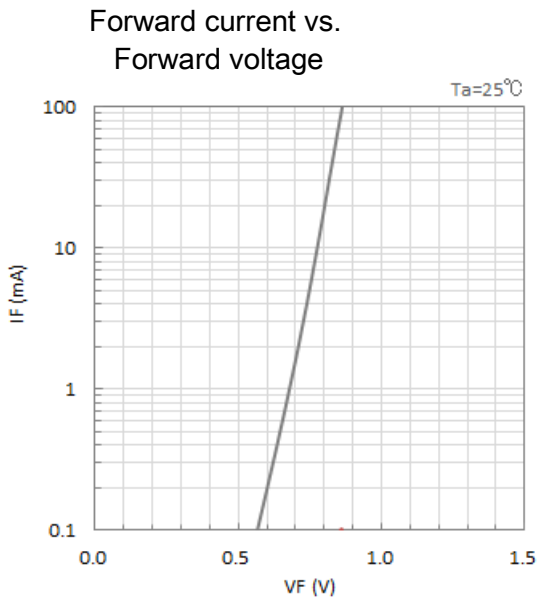


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■ TYPICAL PERFORMANCE



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