

L8103-240

EK0502-0011 VerA



PIN Diode

■ FEATURES

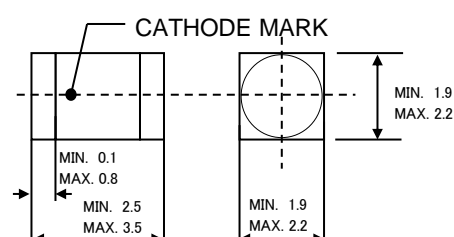
- High power handling
- Very low reverse current
- Very low insertion loss, high isolation
- Low series resistance
- Repetitive peak reverse voltage 240V
- Ceramic MELF package
- RoHS Compliant

■ DESCRIPTIONS

The L8103-240 PIN diode is designed for high power antenna switches in two-way radios.

■ DIMENSIONS

Unit : mm



■ ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATINGS	UNITS
V_{RM}	Repetitive Peak Reverse Voltage	240	V
P_D *	Power Dissipation	1	W
T_j	Junction Temperature	175	°C
T_{stg}	Storage Temperature Range	-55 to 175	°C

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

■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

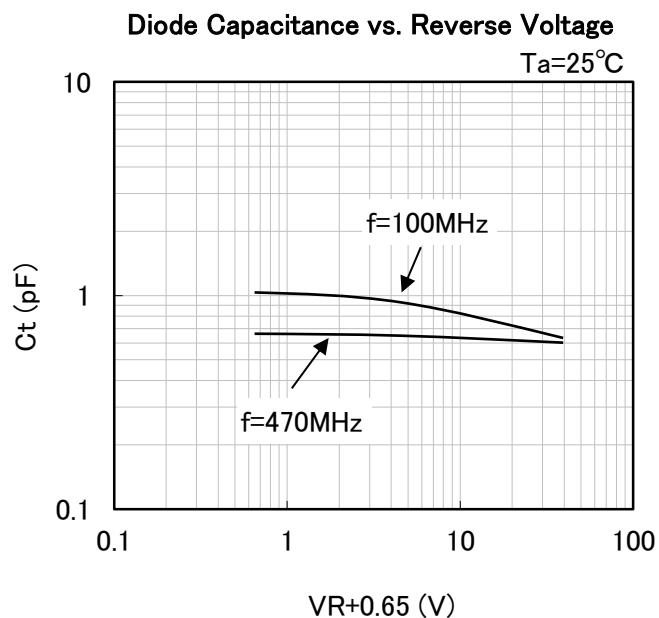
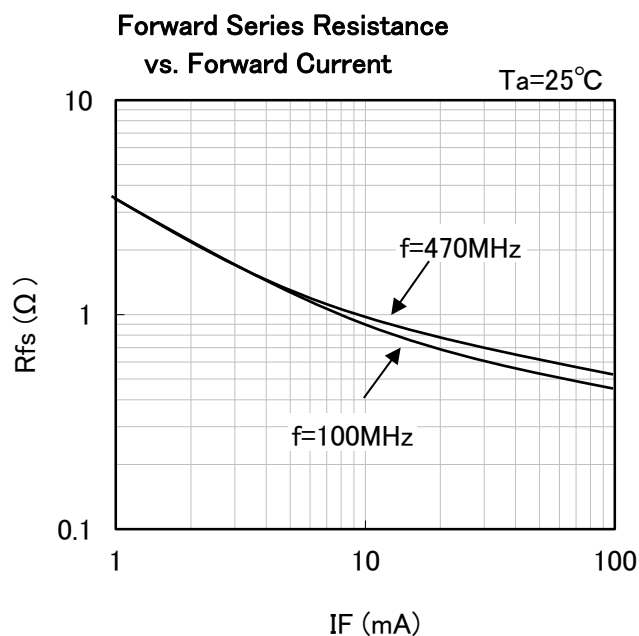
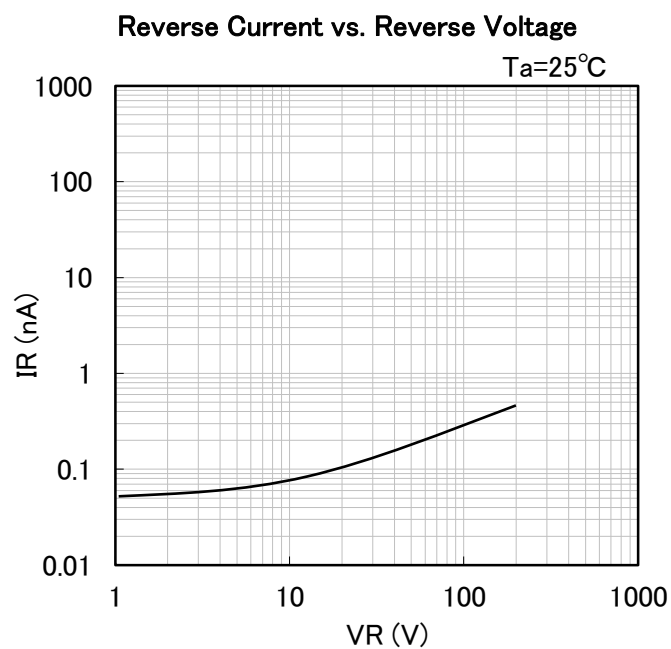
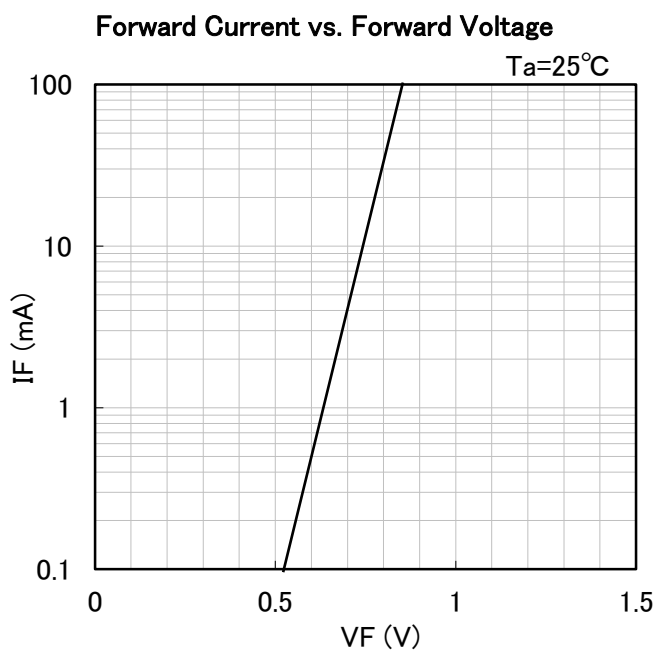
SYMBOL	PARAMETER	CONDITIONS	LIMITS			UNITS
			MIN	TYP	MAX	
I_R	Reverse Current	V _R = 200V	-	-	10	μA
V_F	Forward Voltage	I _F = 50mA	-	-	1.0	V
C_T	Diode Capacitance	V _R = 40V, f = 100MHz	-	-	1.2	pF
R_{fs}	Forward Series Resistance	I _F = 50mA, f = 100MHz	-	0.5	0.75	Ω
R_P	Parallel Resistance	V _R = 0V, f = 100MHz	1.0	3.0	-	kΩ

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■ TYPICAL PERFORMANCE CHARACTERISTICS



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