

L5208F

EK0506-0004 Ver.B



PIN Diode

■ FEATURES

- Suitable for Antenna Switches in Portable Two-way Radios.
- Very Low Series Resistance
0.45Ω Typical @ IF=10mA, f=100MHz
- Low Capacitance
- RoHS Compliant
- Lead Free/ Halogen Free



size : 1.7 x 0.9 x 0.8 mm (typ)

■ MECHANICAL DATA

- Case : SOD-523F (0603) standard package
molded plastic.
- Terminals : Gold 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	35	V
Pd *	Power Dissipation	300	mW
Tj	Junction Temperature	150	°C
Tstg	Storage Temperature Range	-55 to 150	°C

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

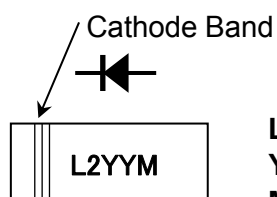
■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL	PARAMETER	CONDITIONS	LIMITS			UNITS
			MIN	TYP	MAX	
IR 1	Reverse Current	VR = 35V	-	-	10	μA
IR 2	Reverse Current	VR = 25V	-	-	100	nA
VF	Forward Voltage	IF = 10mA	-	-	1.0	V
Rfs	Forward Series Resistance	IF = 10mA, f = 100MHz	-	0.45	0.70	Ω
CT	Diode Capacitance	VR = 20V, f = 100MHz	-	-	0.9	pF

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■ MARKING INFORMATION



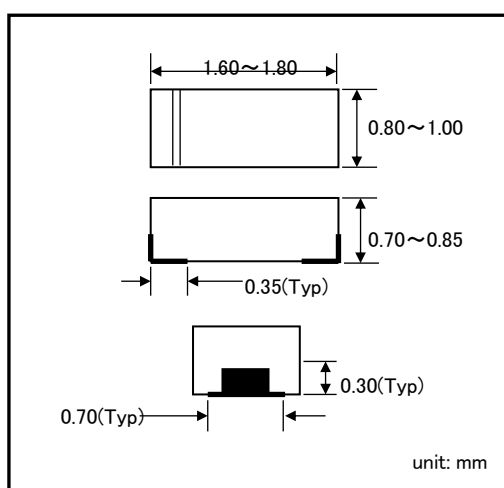
L2 : Parts number L5208F

YY : Year Code (20YY)

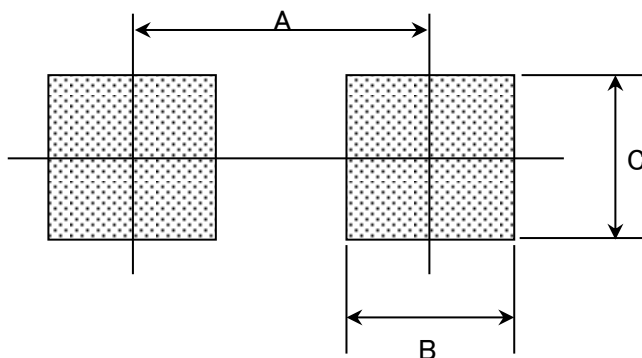
M : Month

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
code	1	2	3	4	5	6	7	8	9	O	N	D

■ PACKAGE OUTLINE INFORMATION

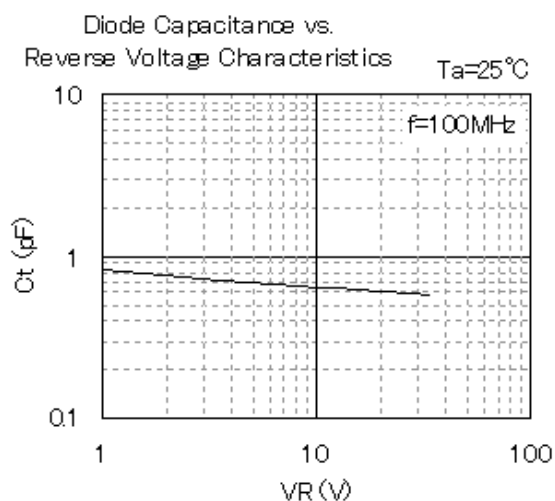
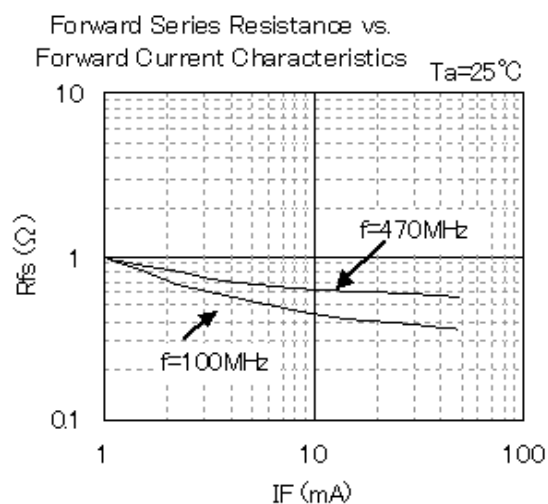
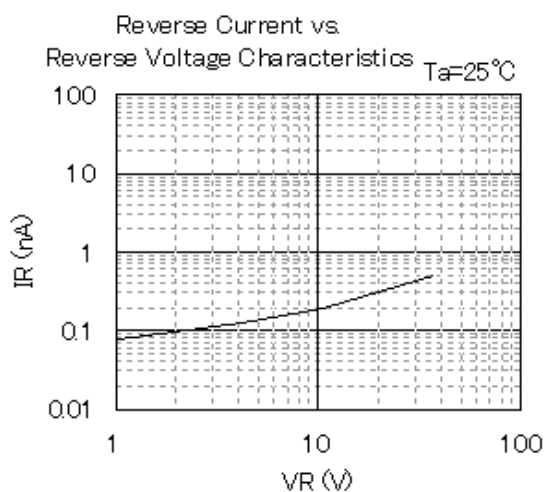
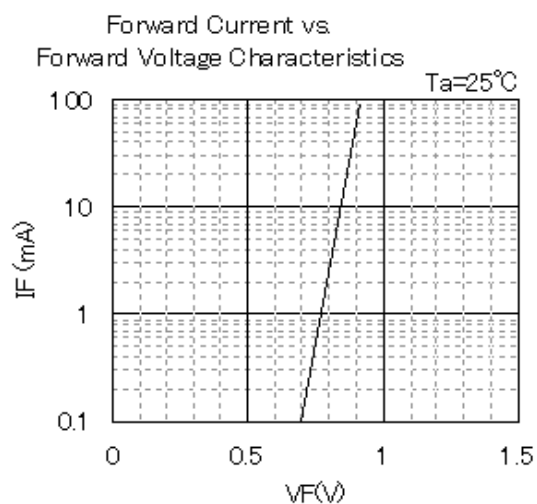


■ SUGGESTED PAD LAYOUT



Size	SOD-523F
A	1.7
B	0.6
C	0.8
unit	mm

■ TYPICAL PERFORMANCE CHARACTERISTICS



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