MA2SE01

Silicon epitaxial planar type

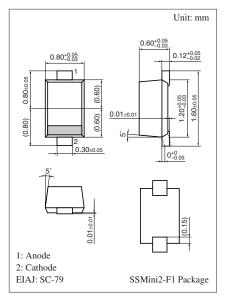
For mixer

■ Features

- High-frequency wave detection is possible
- Low forward voltage V_F
- ullet Small terminal capacitance C_t
- SS-Mini type 2-pin package

\blacksquare Absolute Maximum Ratings $T_a = 25 ^{\circ} C$

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	20	V
Maximum peak reverse voltage	V_{RM}	20	V
Forward current	I_F	35	mA
Peak forward current	I_{FM}	100	mA
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C



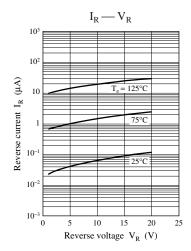
Marking Symbol: 4L

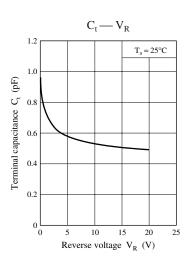
\blacksquare Electrical Characteristics $T_a\!=\!25^{\circ}\!C\pm3^{\circ}\!C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 1 \text{ mA}$			0.41	V
	V_{F2}	$I_F = 35 \text{ mA}$			1.0	V
Reverse current	I_R	$V_R = 15 \text{ V}$			200	nA
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			1.2	pF
Forward dynamic resistance	r_{f}	$I_F = 5 \text{ mA}$		40		Ω

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

- This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Rated input/output frequency: 2 GHz





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