# MA27P02

### Silicon epitaxial planar type

For high frequency switch

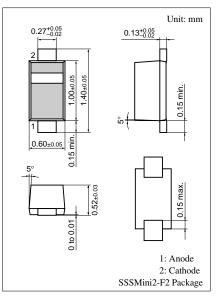
#### Features

- Low terminal capacitance:  $C_t \le 0.5 \text{ pF}$
- $\bullet$  Low forward dynamic resistance:  $r_f \leq 2.0~\Omega$
- Ultraminiature package and surface mounting type 1.0 mm  $\times$  0.6 mm (height: 0.52 mm)

Parameter	Symbol	Rating	Unit			
Reverse voltage (DC)	V <sub>R</sub>	60	V			
Forward current (DC)	$I_F$	100	mA			
Power dissipation *	P <sub>D</sub>	150	mW			
Junction temperature	Tj	150	°C			
Storage temperature	T <sub>stg</sub>	-55 to +150	°C			

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

Note) \*: With a glass epoxy board

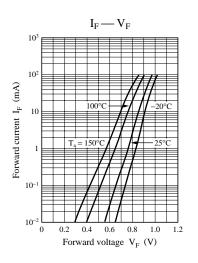


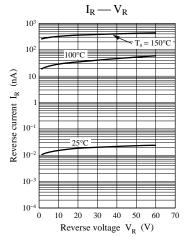
#### Marking Symbol: Y

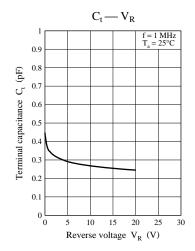
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I <sub>R</sub>	$V_R = 60 V$			100	nA
Forward voltage (DC)	V <sub>F</sub>	$I_F = 10 \text{ mA}$			1.0	V
Terminal capacitance	Ct	$V_R = 1 V, f = 1 MHz$			0.5	pF
Forward dynamic resistance *	r <sub>f</sub>	$I_F = 10 \text{ mA}, \text{ f} = 100 \text{ MHz}$			2.0	Ω

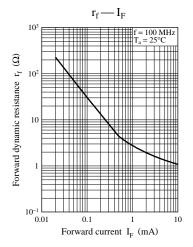
#### Electrical Characteristics $T_a = 25^{\circ}C$

Note) \*: Measuring instrument; AGILENT MODEL 4291B









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