## **MA27P07**

## Silicon planar type

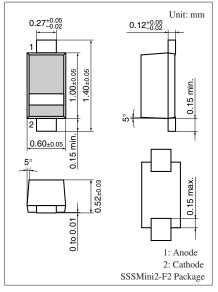
### For high frequency switch

#### ■ Features

• Low terminal capacitance:  $C_t \le 0.35 \ pF$ • Low forward dynamic resistance:  $r_f \le 1.5 \ \Omega$ 

## ■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	$V_R$	60	V	
Forward current	$I_F$	100	mA	
Power dissipation	$P_{\mathrm{D}}$	150	mW	
Junction temperature	T <sub>j</sub>	150	°C	
Storage temperature	$T_{stg}$	-55 to +150	°C	

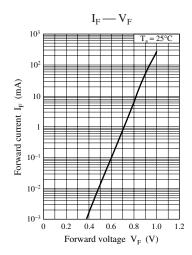


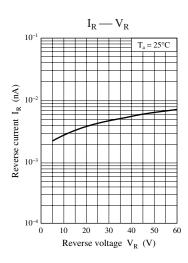
Marking Symbol: K

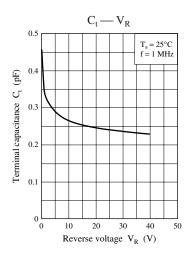
## ■ Electrical Characteristics $T_a = 25$ °C $\pm 3$ °C

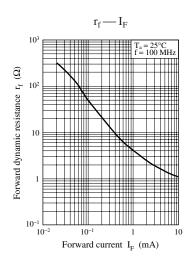
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 10 \text{ mA}$			1.0	V
Reverse current	$I_R$	$V_R = 60 \text{ V}$			100	nA
Terminal capacitance	C <sub>t</sub>	$V_R = 1 \text{ V, f} = 1 \text{ MHz}$			0.35	pF
Forward dynamic resistance	$r_{\rm f}$	I <sub>F</sub> = 10 mA, f = 100 MHz			1.5	Ω

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









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