PIN Diodes

Panasonic

MA27P07

Silicon planar type

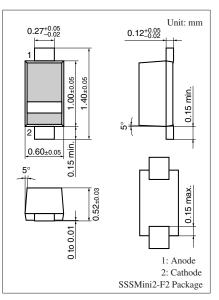
For high frequency switch

Features

- Low terminal capacitance: $C_t \le 0.35 \text{ pF}$
- \bullet Low forward dynamic resistance: $r_f \leq 1.5~\Omega$

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

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	60	V
Forward current	I_F	100	mA
Power dissipation	P _D	150	mW
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

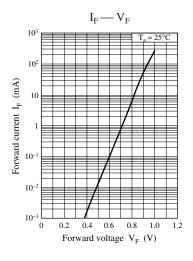


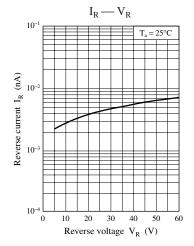
Marking Symbol: K

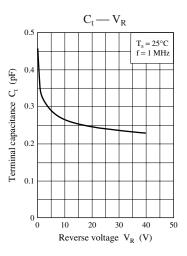
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

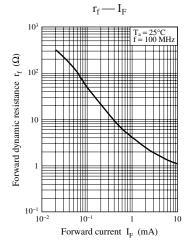
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 10 \text{ mA}$			1.0	V
Reverse current	I _R	$V_R = 60 V$			100	nA
Terminal capacitance	Ct	$V_R = 1 V, f = 1 MHz$			0.35	pF
Forward dynamic resistance	r _f	$I_F = 10 \text{ mA}, \text{ f} = 100 \text{ MHz}$			1.5	Ω

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









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