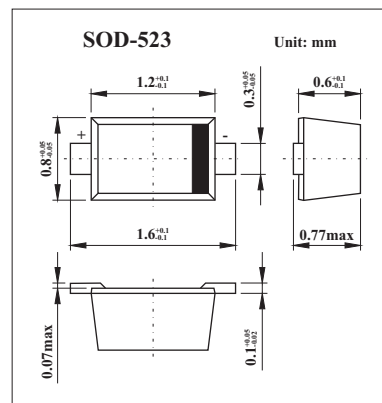


# KMP1340-079

## ■ Features

- Designed for Fast Speed Wireless Switch Applications
- Multiple Package Configurations
- Designed for High Volume Wireless Applications
- $L_s = 0.7 \text{ nH}$



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

Parameter	Symbol	Ratings	Units
continuous reverse voltage	$V_R$	50	V
total power dissipation	$P_D$	250	mW
Junction temperature	$T_j$	-65 to +150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-65 to +150	$^\circ\text{C}$

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

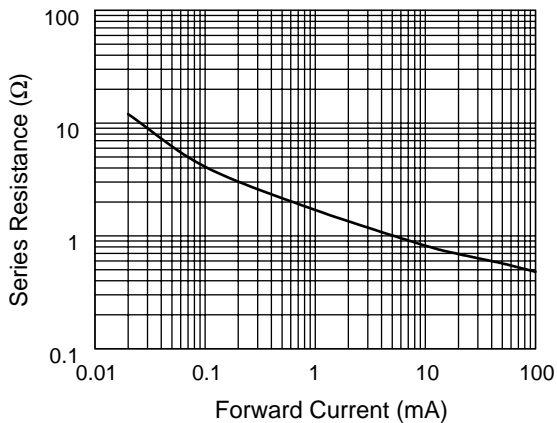
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 10\text{mA}$		0.85		V
Reverse current	$I_R$	$V_R = 50\text{V}$			10	$\mu\text{A}$
Capacitance	$C_T$	$f = 1 \text{ MHz}, V = 5 \text{ V}$		0.22	0.30	pF
Resistance	$R_s$	$f = 100 \text{ MHz}, I = 1 \text{ mA}$		1.8		$\Omega$
		$f = 100 \text{ MHz}, I = 5 \text{ mA}$		1.1	2.0	$\Omega$
		$f = 100 \text{ MHz}, I = 10 \text{ mA}$		0.9	1.2	$\Omega$
Carrier Lifetime	$T_l$	$I_F = 10 \text{ mA}$		100		nS
I Region Width				0.80		$\mu\text{m}$

## ■ Marking

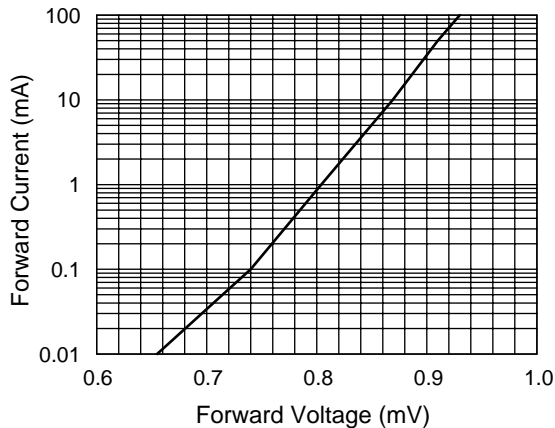
Marking	K5
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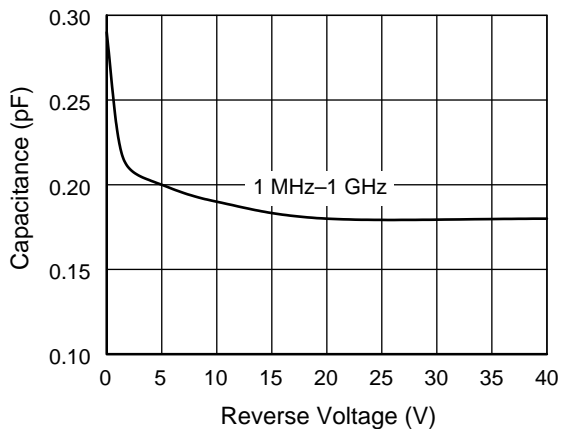
**KMP1340-079**



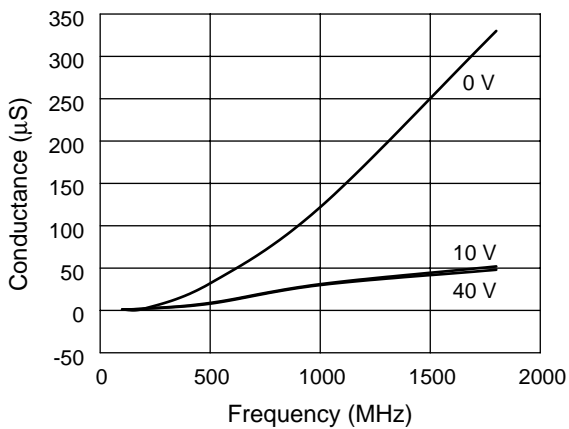
**Series Resistance vs. Current @ 100 MHz**



**DC Characteristic**



**Capacitance vs. Reverse Voltage**



**Conductance vs. Frequency**