

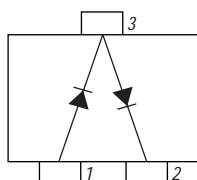


Pin Diode for VHF, UHF, AGC Applications

Features

- Series connection of 2 elements in an ultrasmall package facilitates high-density mounting and permits 1SV264-applied equipment to be made smaller.
- Small interterminal capacitance($C=0.23\text{pF}$ typ).
- Small forward series resistance($r_s=2.5\Omega$ typ).

Electrical Connection



1 : Anode
2 : Cathode
3 : Cathode / Anode

(Top view)

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V _R		50	V
Forward Current	I _F		50	mA
Allowable Power Dissipation	P		100	mW
Junction Temperature	T _j		125	°C
Storage Temperature	T _{stg}		-55 to +125	°C

Electrical Characteristics at Ta=25°C

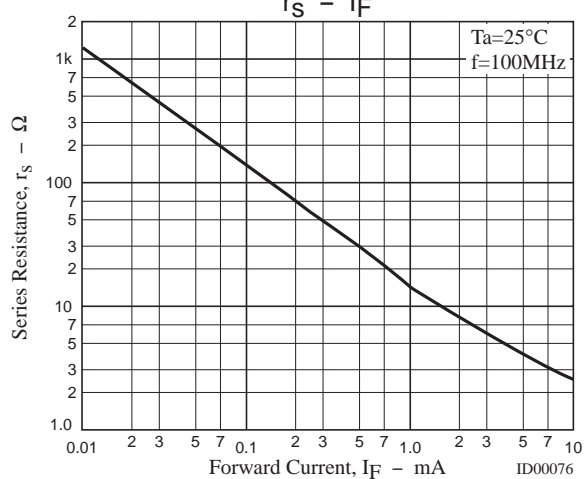
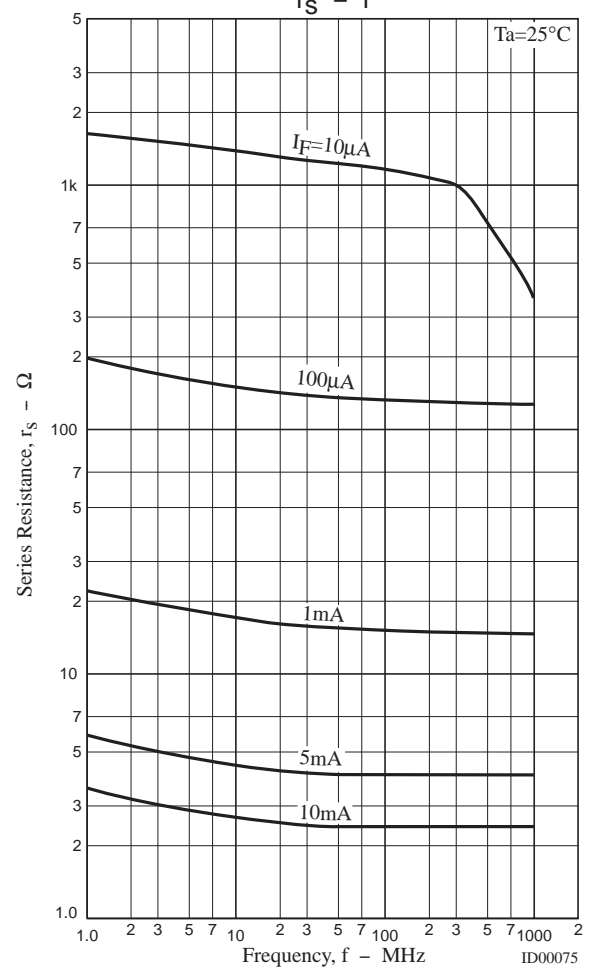
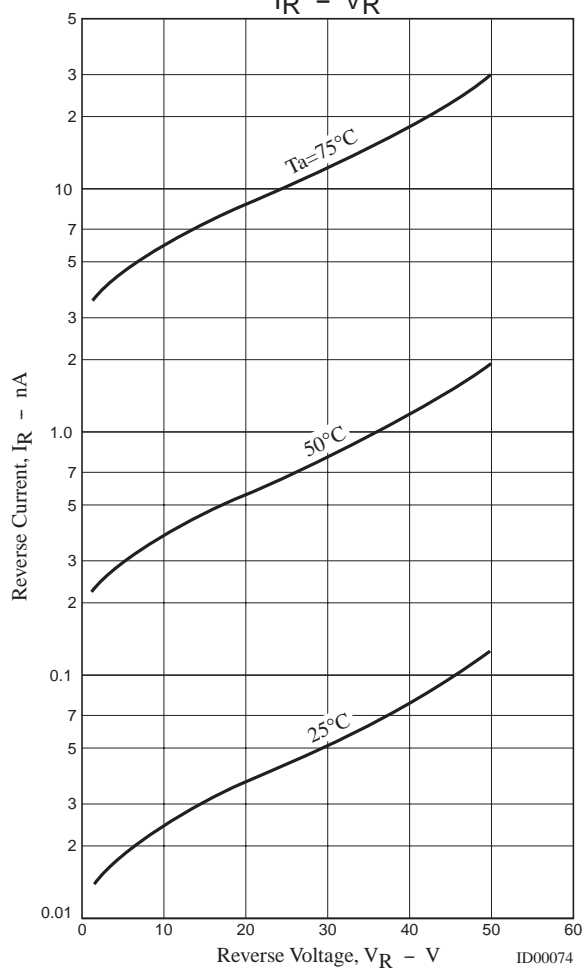
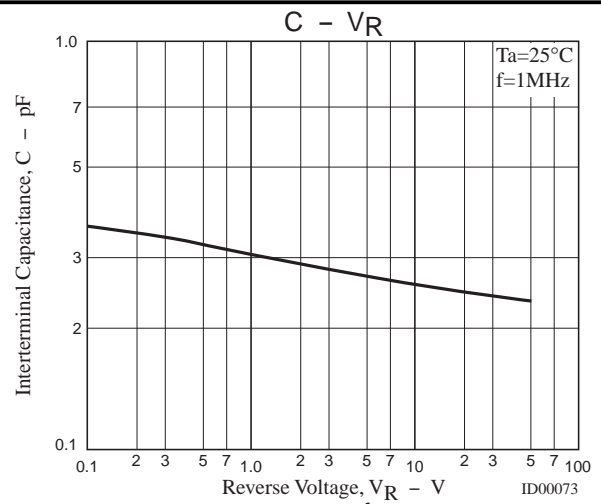
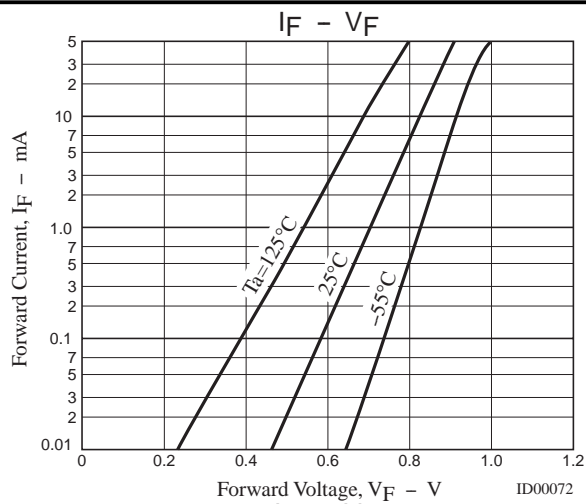
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=10\mu A$	50			V
Reverse Current	I_R	$V_R=50V$			0.1	μA
Forward Voltage	V_F	$I_F=50mA$		0.91	0.95	V
Interterminal Capacitance	C	$V_R=50V, f=1MHz$		0.23	0.4	pF
Series Resistance	r_s	$I_F=5mA, f=100MHz$		4.0	8.0	Ω
		$I_F=10mA, f=100MHz$		2.5	4.5	Ω

Note : The specifications shown above are for each individual diode.

Marking : KV

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