

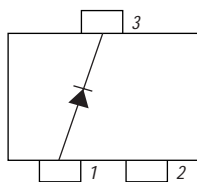


Pin Diode for VHF, UHF, AGC Applications

Features

- Ultra-small-sized package facilitates high-density mounting and permits 1SV263-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

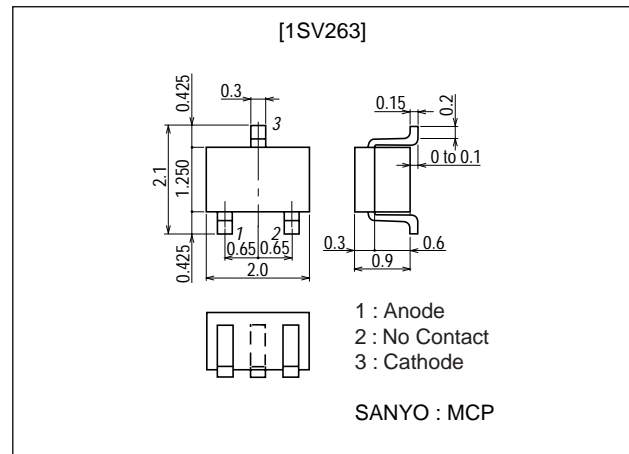


1 : Anode
2 : No Contact
3 : Cathode

(Top view)

Package Dimensions

unit : mm
1197A



Specifications

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

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	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +125	$^\circ\text{C}$

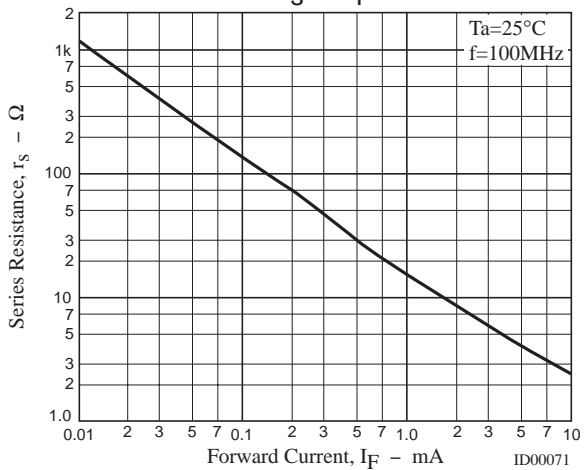
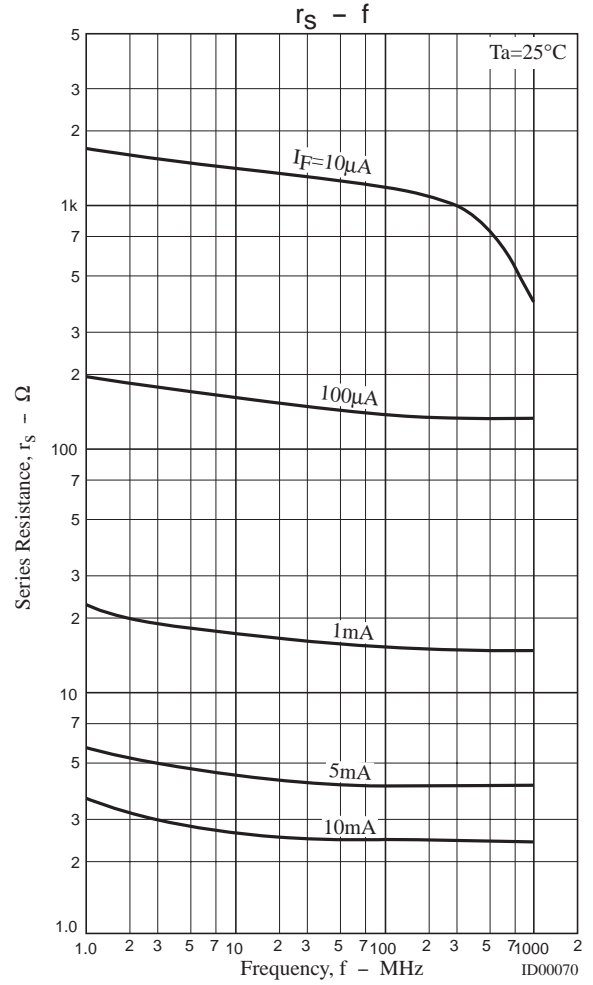
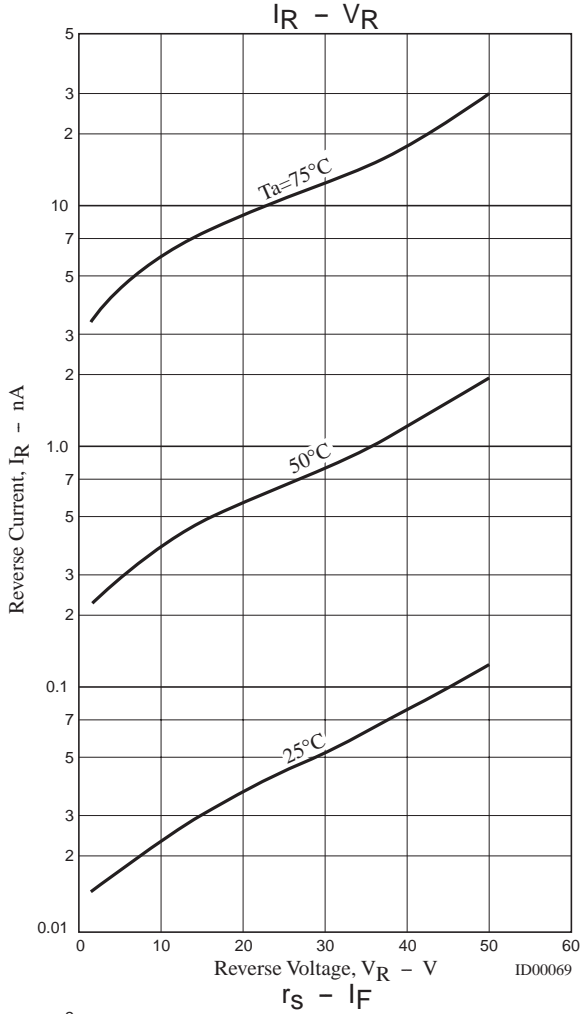
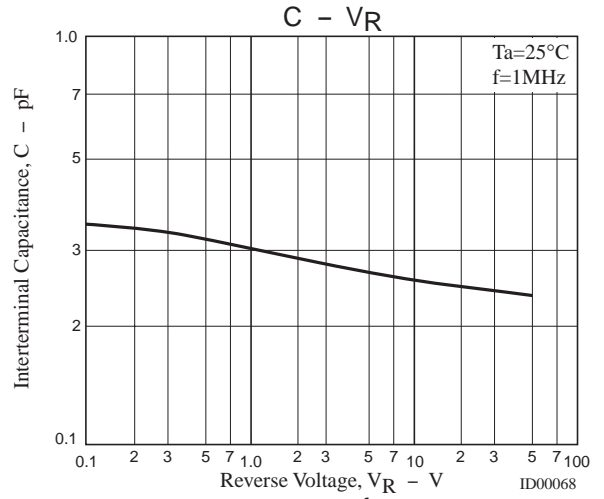
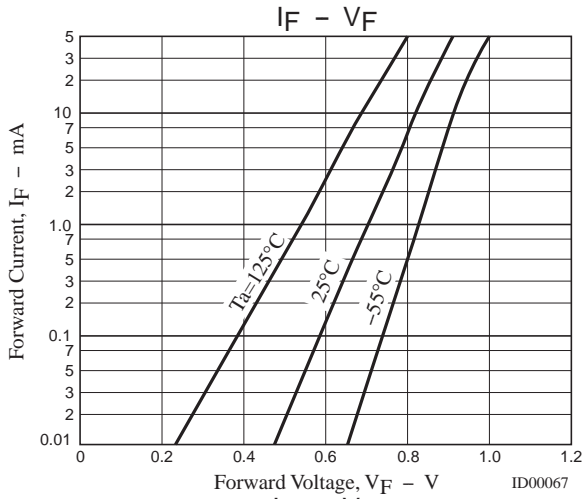
Electrical Characteristics at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=10\mu\text{A}$	50			V
Reverse Current	I_R	$V_R=50\text{V}$			0.1	μA
Forward Voltage	V_F	$I_F=50\text{mA}$		0.91	0.95	V
Interterminal Capacitance	C	$V_R=50\text{V}$, $f=1\text{MHz}$		0.23	0.4	pF
Series Resistance	r_s	$I_F=5\text{mA}$, $f=100\text{MHz}$		4.0	6.0	Ω
		$I_F=10\text{mA}$, $f=100\text{MHz}$		2.5	4.5	Ω

Marking : JV

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