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Ordering number:ENN6261

Silicon Epitaxial Pin Diode

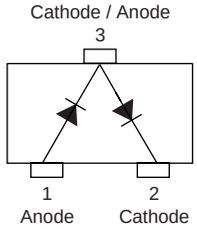
1SV315

Variabe resistance Attenuator Use

Features

- Ultrasmall-sized package facilitates high-density mounting and permits 1SV315-applied equipment to be made smaller.
- Small interterminal capacitance (C=0.23pF typ).

Electrical Connection

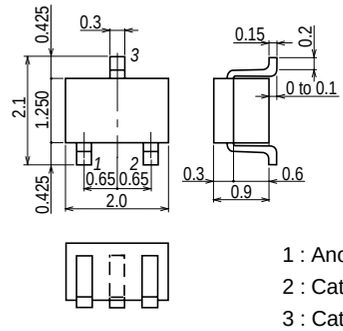


Package Dimensions

unit:mm

1246A

[1SV315]



1 : Anode
2 : Cathode
3 : Cathode/Anode
SANYO : MCP

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	Tj		125	˚C
Storage Temperature	Tstg		–55 to +125	˚C

Electrical Characteristics at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	I_R=10μA	50			V
Reverse Current	I_R	V_R=50V			0.1	μA
Forward Voltage	V_F	I_F=50mA		0.95	1.0	V
Interterminal Capacitance	C	V_R=50V, f=1MHz		0.23		pF
Series Resistance	rs	I_F=10μA, f=100MHz		2400		Ω
		I_F=10mA, f=100MHz	4	6	9	Ω

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

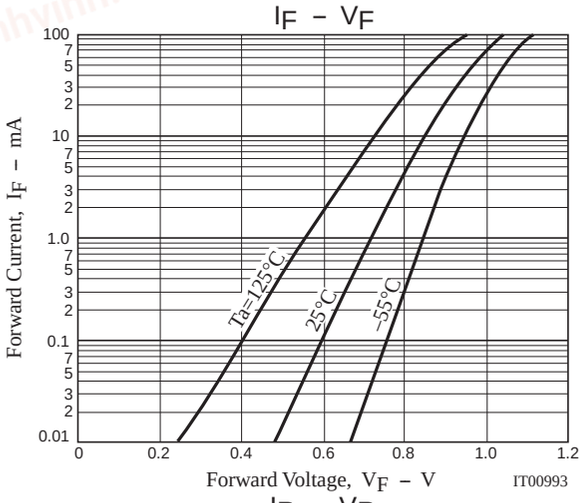
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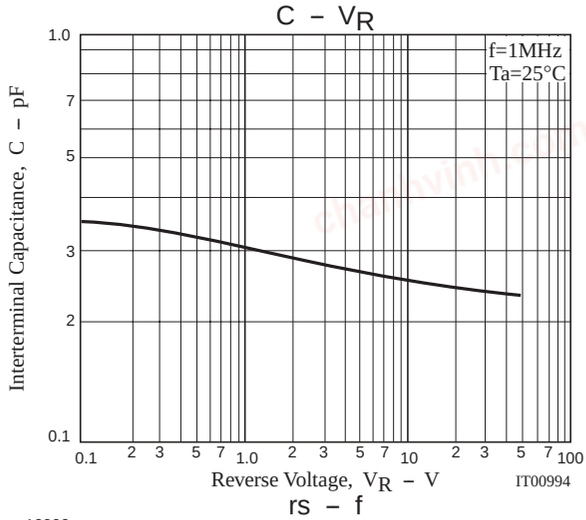
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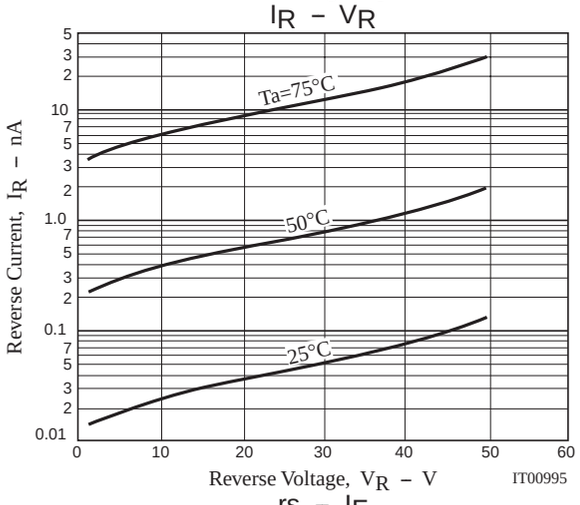
SANYO Electric Co.,Ltd. Semiconductor Company
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

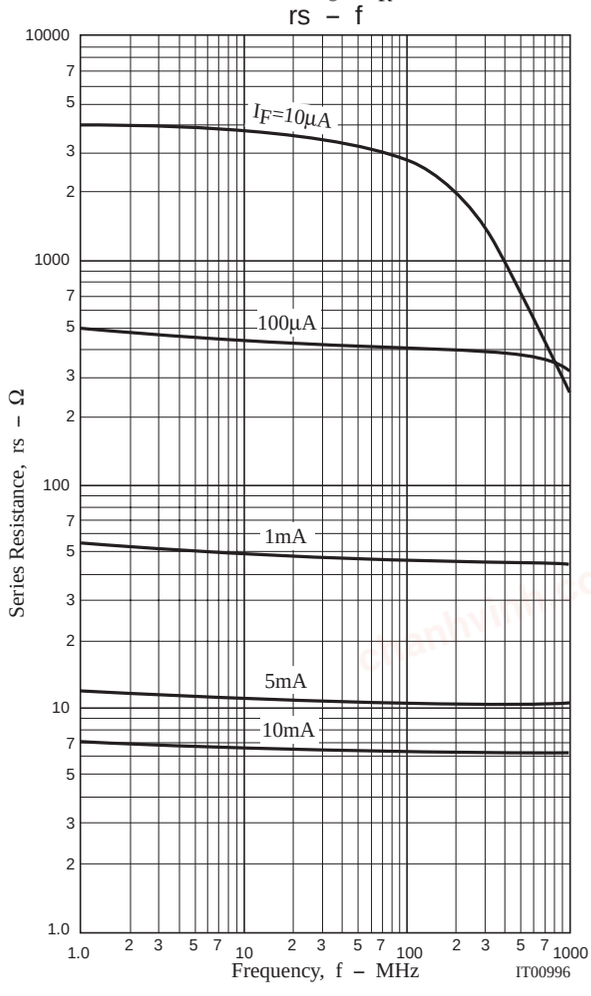
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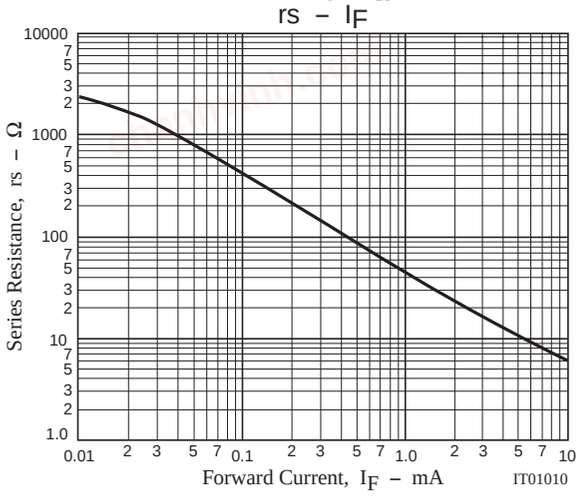
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