

ON Semiconductor DATA SHEET

1SV316 — Silicon Epitaxial Pin Diode Variabe Resistance Attenuator Use

Features

- Ultrasmall-sized package facilitates high-density mounting and permits 1SV316-applied equipment to be made smaller
- Small interterminal capacitance (C=0.23pF typ)

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	IF		50	mA
Allowable Power Dissipation	Р		150	mW
Junction Temperature	Тј		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Linit
			min	typ	max	
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.95	1.0	V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF
Series Resistance	rs	IF=10μA, f=100MHz		2400		Ω
		IF=10mA, f=100MHz	4	6	9	Ω

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

Package Dimensions

unit : mm (typ) 1251A



Electrical Connection



1SV316



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