

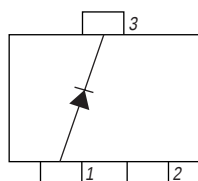
**1SV294**

Variable Resistance Attenuator Use

Features

- Small-sized package facilitates high-density mounting and permits 1SV294-applied equipment to be made smaller.
- Small interterminal capacitance ($C=0.23\text{pF}$ typ).

Electrical Connection

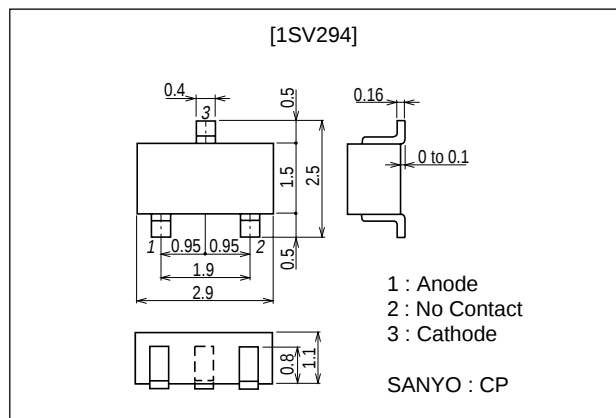


1 : Anode
2 : No Contact
3 : Cathode

Package Dimensions

unit : mm

1148A



Specifications

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

Parameter	Symbol	Ratings	Unit
Reverse Voltage	V_R	50	V
Forward Current	I_F	50	mA
Allowable Power Dissipation	P	150	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to + 125	$^\circ\text{C}$

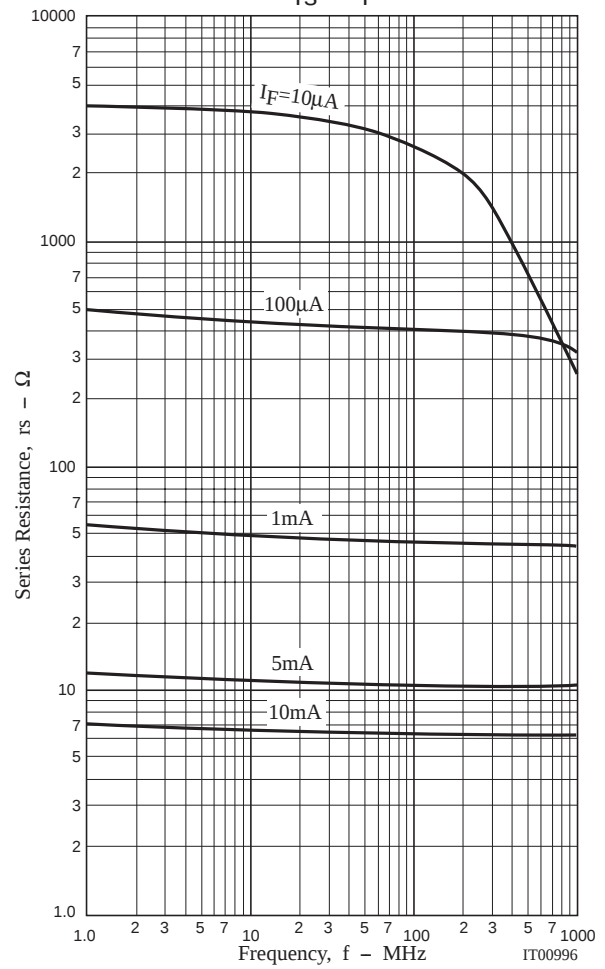
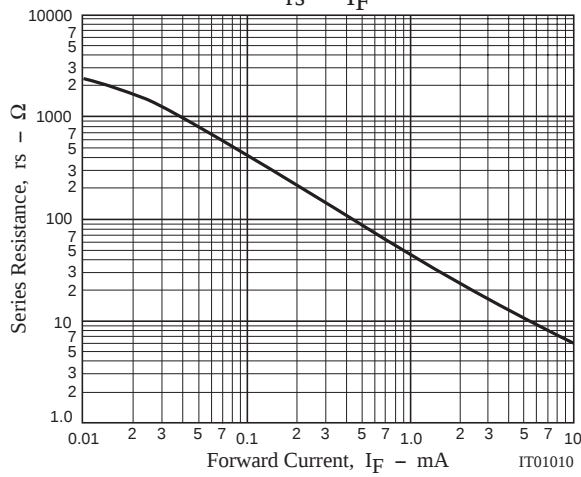
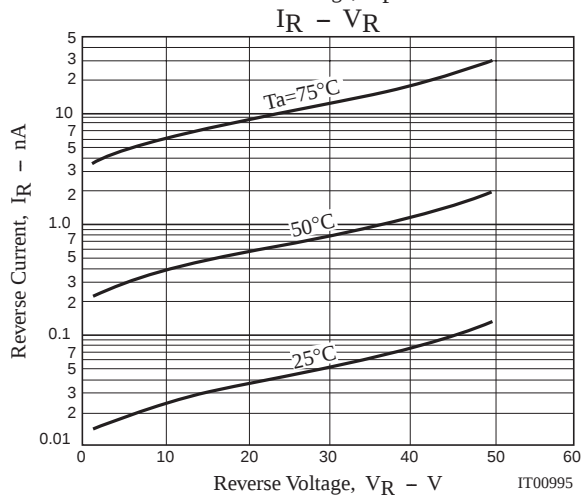
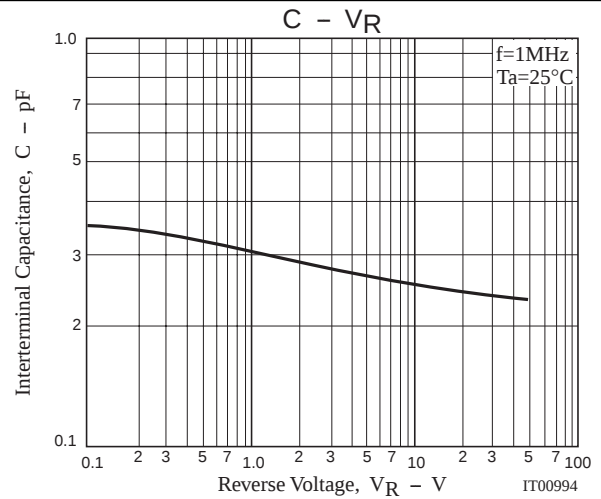
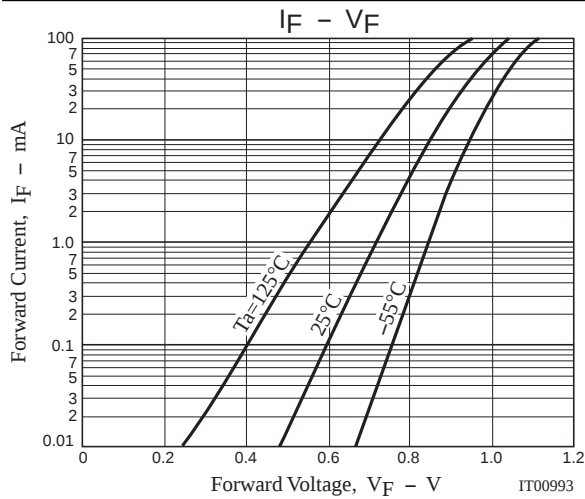
Electrical Characteristics at $T_a=25^\circ\text{C}$

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	$I_F=50\text{mA}$	0.92		0.97	V
Interterminal Capacitance	C	$V_R=50\text{V}$, $f=1\text{MHz}$		0.23		pF
Series Resistance	r_s	$I_F=10\mu\text{A}$, $f=100\text{MHz}$		2400		Ω
		$I_F=10\text{mA}$, $f=100\text{MHz}$	5		7	Ω

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

Marking : PV

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