

1SS358

Schottky Barrier Diode

VHF, UHF Detector and Mixer Applications

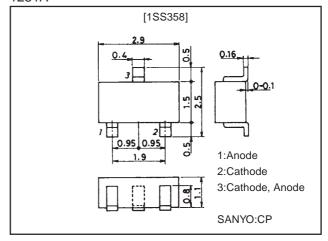
Features

- · Series connection of 2 elements in a very small-sized package facilitates high-density mounting and permits 1SS358-applied equipment to be made smaller.
- · Small interterminal capacitance (C=0.45pF typ).
- \cdot Low forward voltage and excellent detection efficiency (V $_{F}\!\!=\!\!0.35V$ max).
- · High breakdown voltage (V_R =55V).

Package Dimensions

unit:mm

1251A



Specifications

Absolute Maximum Ratings at Ta = 25°C

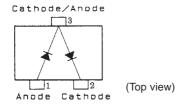
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _R		55	V
Forward Current	ΙF		10	mA
Power Dissipation	Р		150	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C
Reverse Burning	Во	C=25pF	2	erg

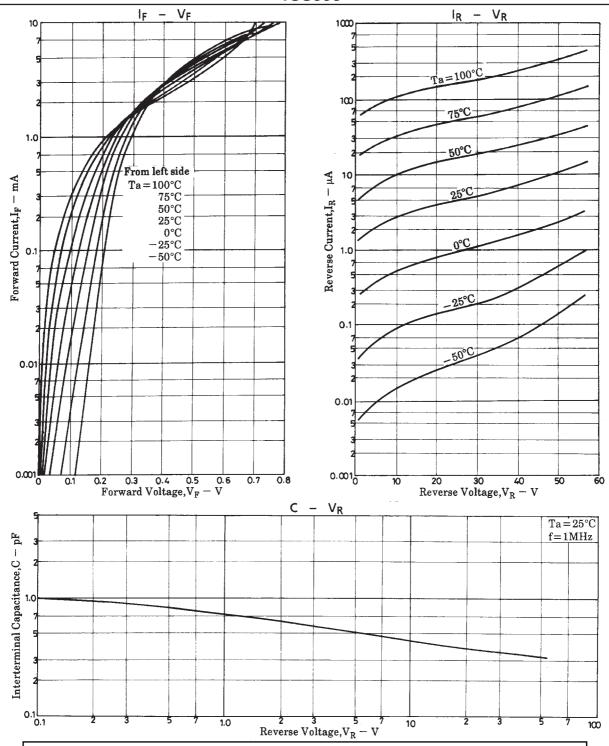
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Forward Voltage	٧ _F	I _F =1mA			0.35	V
Forward Current	ΙF	V _F =1V	10			mA
Reverse Voltage	V _R	I _R =100μA	55			V
Reverse Current	I _R	V _R =40V			50	μA
Interterminal Capacitance	С	V _R =10V, f=1MHz		0.45		pF

· Marking:DH

Electrical Connection





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