

1SS366

Schottky Barrier Diode

VHF, UHF Detector and Mixer Applications

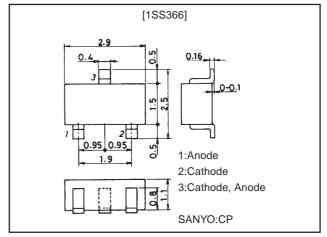
Features

- · Series connection of 2 elements in a very small-sized package facilitates high-density mounting and permits 1SS366-applied equipment to be made smaller.
- · Small interterminal capacitance.
- · Low forward voltage.
- · High breakdown voltage.

Package Dimensions

unit:mm

1251A



Specifications

Absolute Maximum Ratings at Ta = 25°C

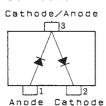
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		10	V
Forward Current	I _F		35	mA
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

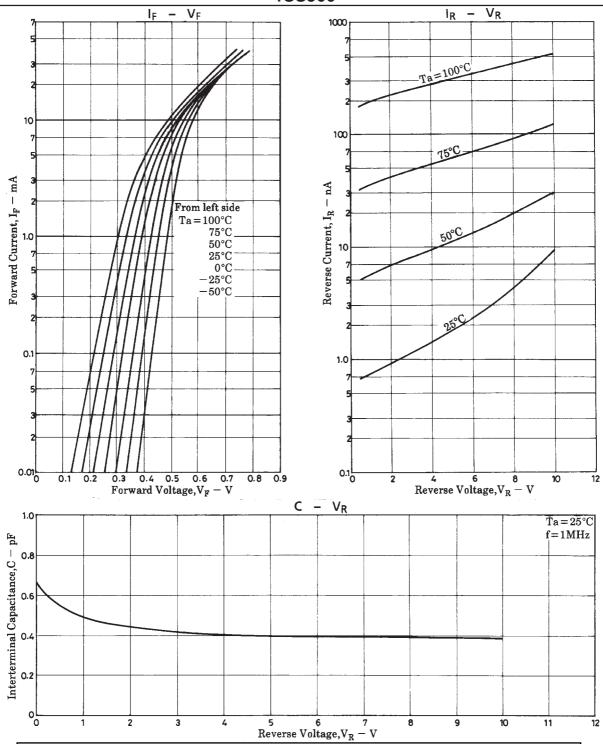
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V _F (1)	I _F =1mA	350		420	mV
	V _F (2)	I _F =10mA	480		580	mV
Forward Current	Ι _F	V _F =1V	35			mA
Reverse Current	I _R (1)	V _R =2V			0.2	μA
	I _R (2)	V _R =10V			10	μA
Interterminal Capacitance	С	V _R =0V, f=1MHz			0.85	pF
Forward Voltage Difference	ΔV_{F}	I _F =10mA			10	mV
Interterminal Capacitance Difference	ΔC	V _R =0V, f=1MHz			0.1	pF

· Marking:FH

Electrical Connection



(Top view)



- No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.
- Anyone purchasing any products described or contained herein for an above-mentioned use shall:
 - ① Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use:
 - ② Not impose any responsibilty for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.
- Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.

This catalog provides information as of March, 1998. Specifications and information herein are subject to change without notice.