

Ordering number :EN4690



1SS375

Schottky Barrier Diode

VHF, UHF Detector and Mixer Applications

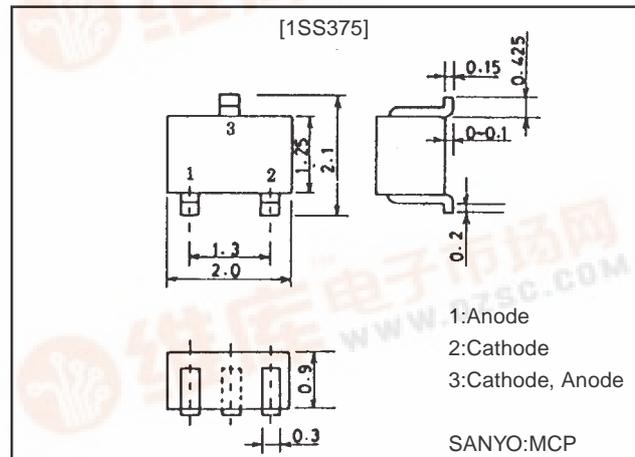
Features

- Series connection of 2 elements in a very small-sized package facilitates high-density mounting and permits 1SS375-applied equipment to be made smaller.
- Small interterminal capacitance.
- Low forward voltage.
- High breakdown voltage.

Package Dimensions

unit:mm

1246A



Specifications

Absolute Maximum Ratings at Ta = 25°C

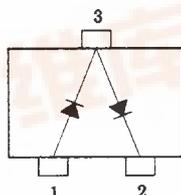
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		10	V
Forward Current	I_F		35	mA
Junction Temperature	T_j		125	°C
Storage Temperature	T_{stg}		-55 to +125	°C

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	I_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	C	$V_R=0V, f=1MHz$			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

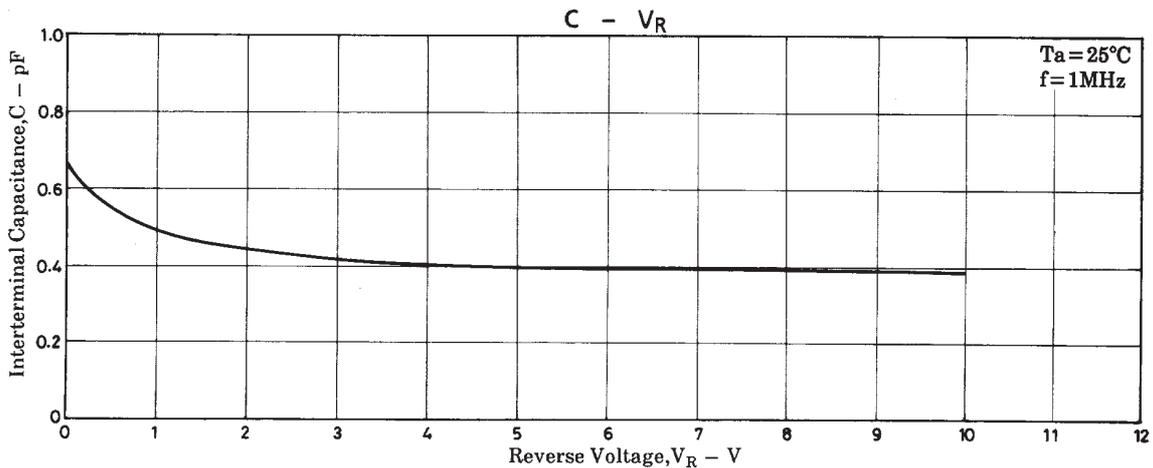
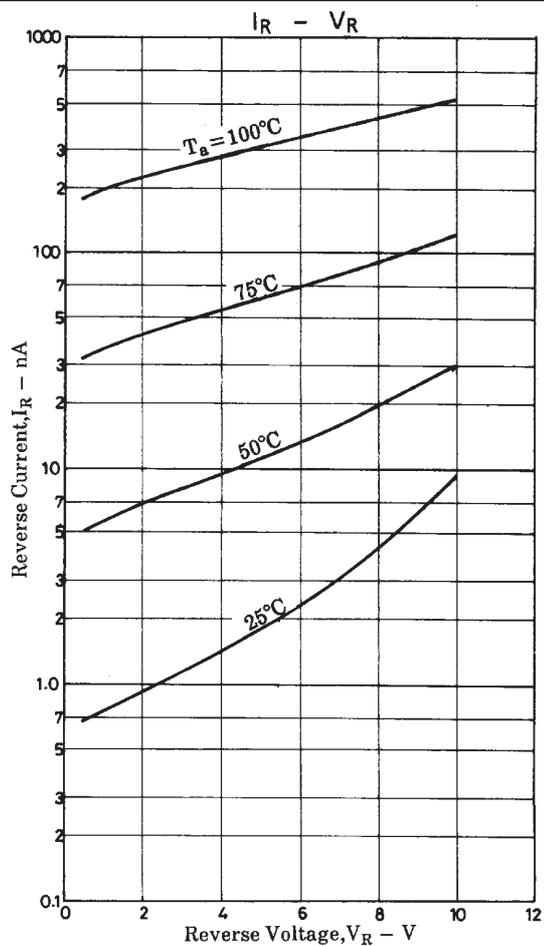
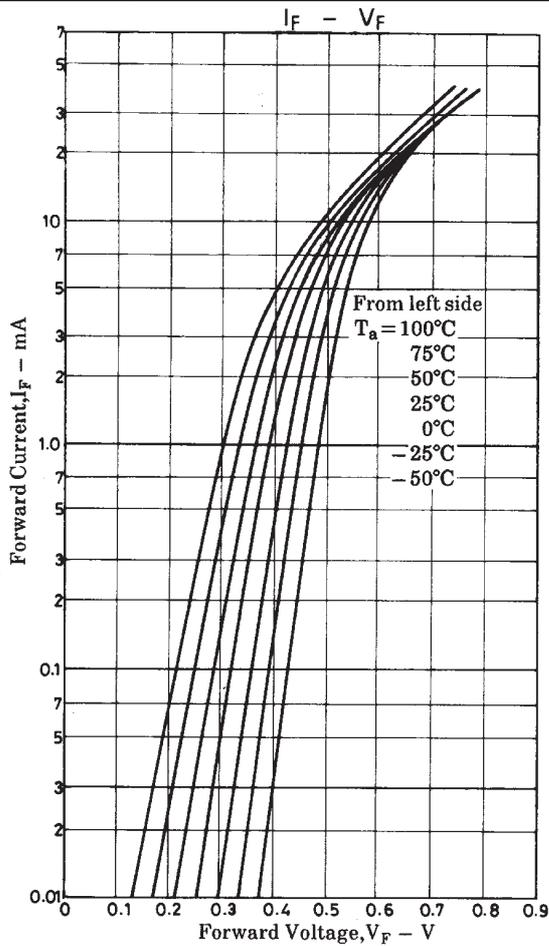
Electrical Connection



- 1:Anode
 - 2:Cathode
 - 3:Cathode, Anode
- (Top view)



1SS375



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