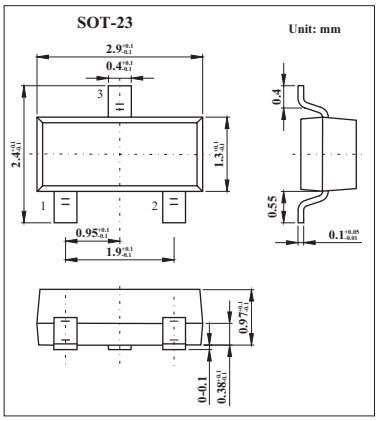
PIN Diode for VHF, UHF, AGC Applications

1SV250



■ Features

- Small-sized package facilitates high-density mounting and permits 1SV250-applied equipment to be made smaller.
- Small interterminal capacitance (C=0.23pF typ).
- Small forward series resistance (rs=4.5Ω max).

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Value	Unit
Reverse voltage	V_R	50	V
Forward current	I_F	50	mA
Allowable power dissipation	P	150	mW
Junction temperature	T_j	125	℃
Storage temperature	T_{stg}	-55 to +125	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse voltage	V_R	I_R = 10 μA	50			V
Reverse current	I_R	V_R = 50 V			0.1	μA
Forward Voltage	V_F	I_F = 50 mA		0.92	4.5	V
Interterminal Capacitance	C	V_R = 50 V, f = 1 MHz		0.23		pF
Series Resistance	rs	I_F = 10 mA, f = 100MHZ				Ω

■ Marking

Marking	FV