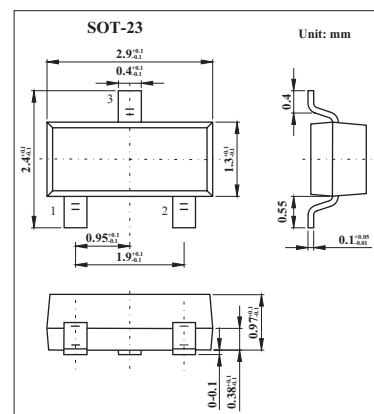


VHF~UHF BAND RF ATTENUATOR APPLICATIONS

1SV128

■ Features

- Small Total Capacitance : $C_T = 0.25 \text{ pF(Typ.)}$

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

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	50	V
Forward Current	I_F	50	mA
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
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	$I_F = 50 \text{ mA}$		0.95		V
Total Capacitance	C_T	$V_R = 50 \text{ V}, f = 1 \text{ MHz}$		0.25		pF
Series Resistance	r_s	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$		7		Ω
Minority Carrier Life Time	τ	$I_F = 10 \text{ mA}, I_R = 6 \text{ mA}$		400		ns

■ Marking

Marking	BB
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