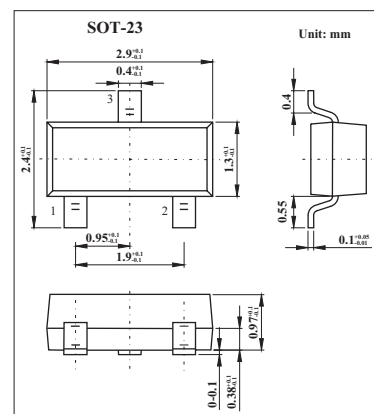


## VHF~UHF BAND RF ATTENUATOR APPLICATIONS

## 1SV128

## ■ Features

- Small Total Capacitance :  $C_T = 0.25$  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	$\mu\text{A}$
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		$\Omega$
Minority Carrier Life Time	$\tau$	$I_F = 10\text{mA}, I_R = 6\text{mA}$		400		ns

## ■ Marking

Marking	BB