

**Features**

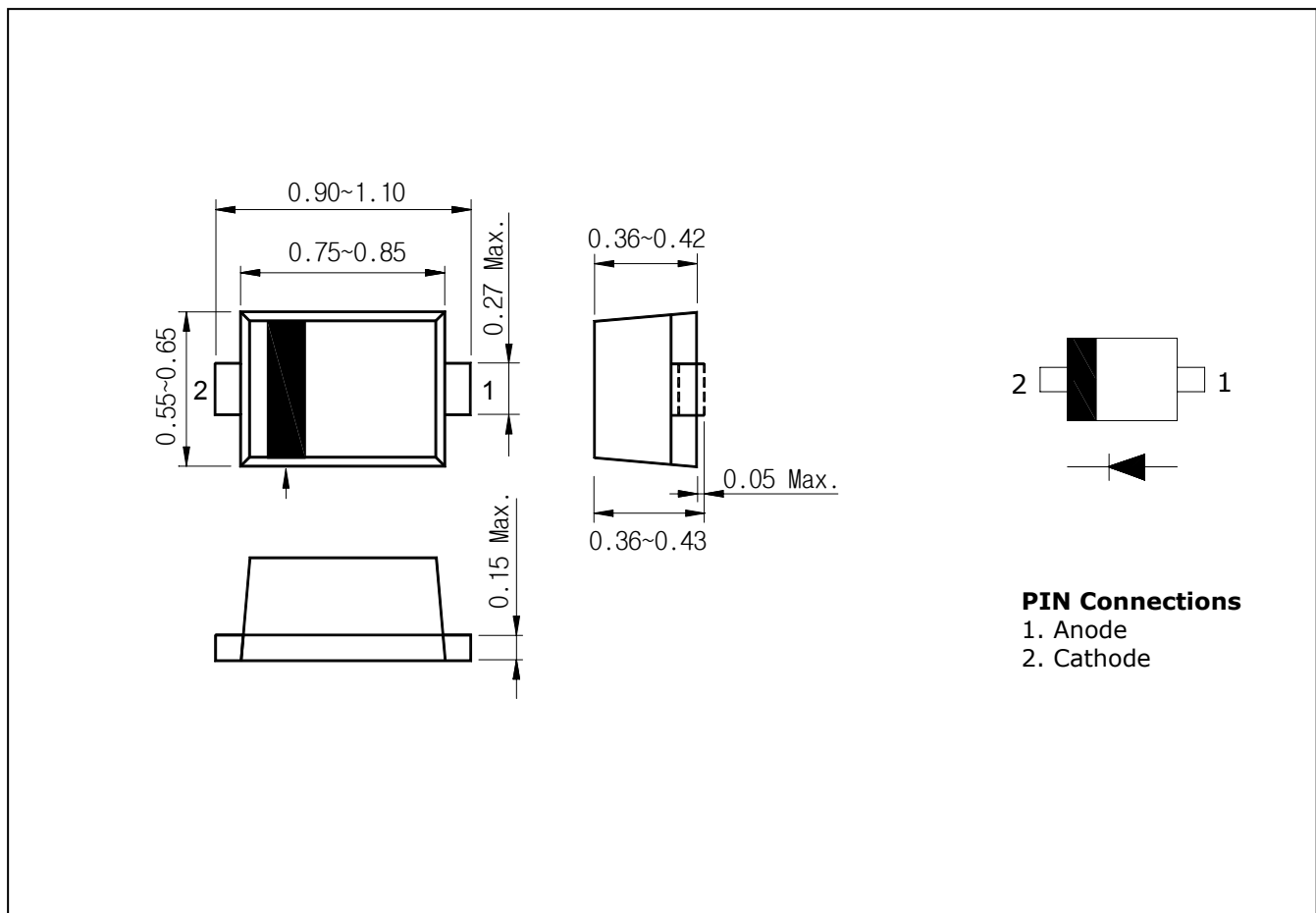
- Extremely small size package: 0.8×0.6×0.4 mm Typ.
- VHF tuner band switch applications.
- Very Low series resistance :  $r_s = \text{Typ } 0.5\Omega @ I_F=2\text{mA}$
- Low total capacitance :  $C_T = 1.2\text{pF}(\text{Max.})$

**Ordering Information**

Type No.	Marking	Package Code
ND112	L	SOD-923

**Outline Dimensions**

**unit : mm**



## Absolute Maximum Ratings

(Ta=25°C)

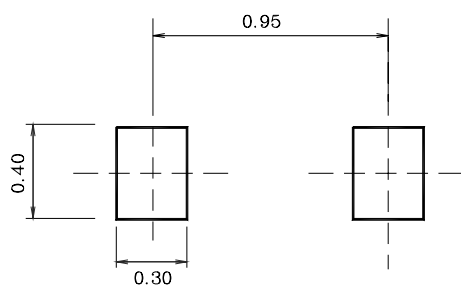
Characteristic	Symbol	Rating	Unit
Continuous reverse voltage	$V_R$	30	V
Forward current	$I_F$	100	mA
Junction temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	-55 ~ 150	°C

## Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$	$I_F=2\text{mA}$	-	-	0.85	V
Reverse current	$I_R$	$V_R=15\text{V}$	-	-	0.1	$\mu\text{A}$
Reverse voltage	$V_R$	$I_R=1\mu\text{A}$	30	-	-	V
Total capacitance	$C_T$	$V_R=6\text{V}, f=1\text{MHz}$	-	0.8	1.2	pF
Series resistance	$r_S$	$I_F=2\text{mA}, f=100\text{MHz}$	-	0.5	0.9	$\Omega$

※ Recommend PCB solder land (Unit : mm)



Electrical Characteristic Curves

Fig. 1  $r_s - I_F$

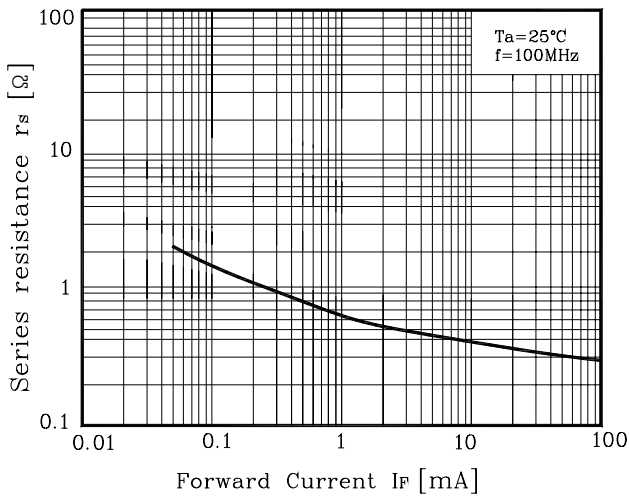


Fig. 2  $C_T - V_R$

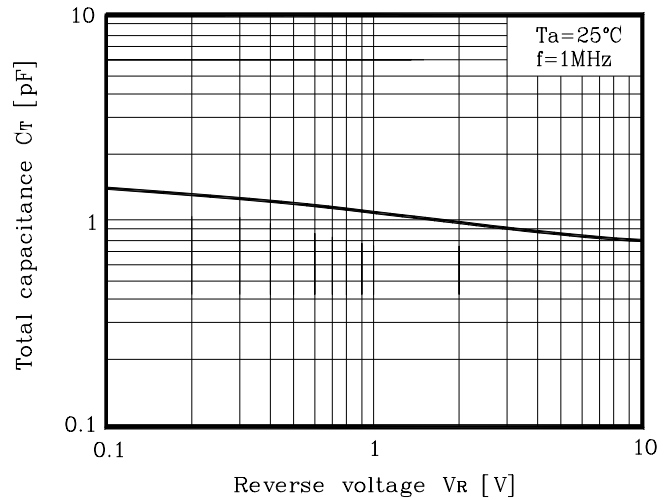


Fig. 3  $I_F - V_F$

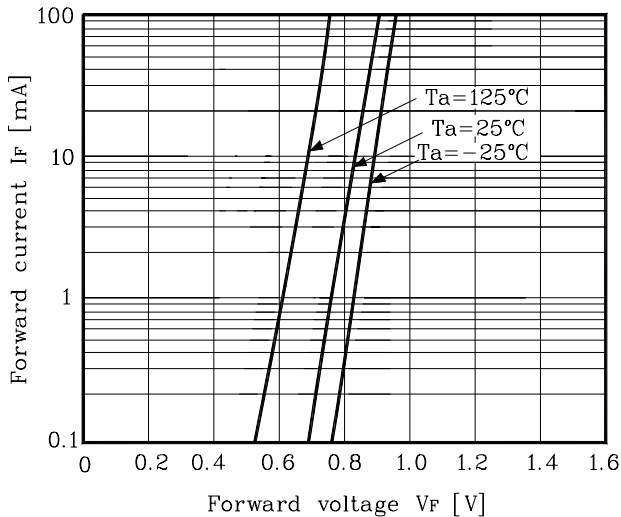
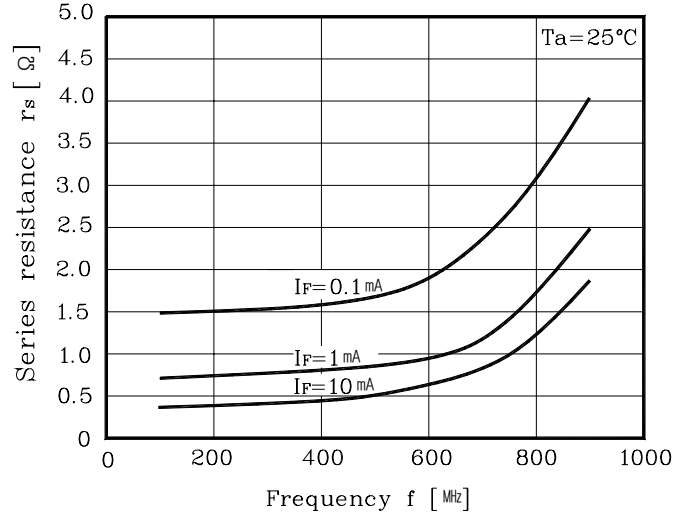


Fig. 4  $r_s - f$



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