

**Features**

- Low capacitance : Max.0.4pF
- Low series resistance :  $r_s = 1.0\Omega$ (Typ.)@ $I_F = 10\text{mA}$
- UHF/VHF Band RF Switch Applications

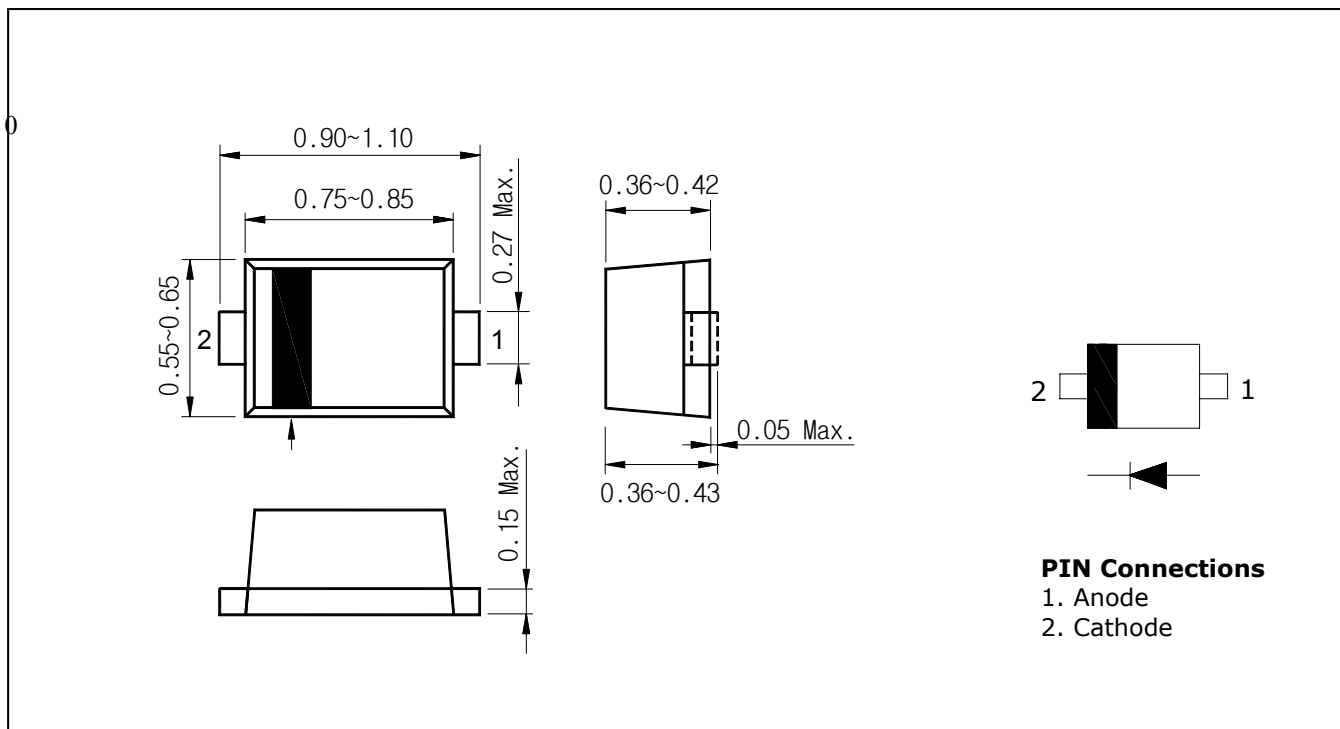
**Ordering Information**

www.DataSheet4U.com

Type No.	Marking	Package Code
ND101	E	SOD-923

**Outline Dimensions**

unit : mm



## Absolute Maximum Ratings

(Ta=25°C)

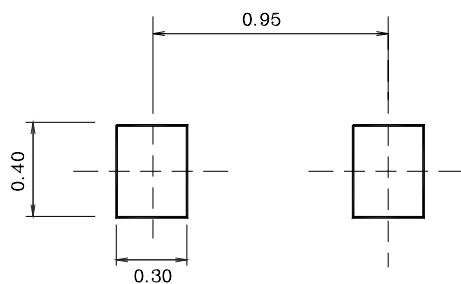
Characteristic	Symbol	Rating	Unit
Continuous reverse voltage	$V_R$	30	V
Forward current	$I_F$	50	mA
Junction temperature	$T_j$	150	°C
Storage temperature range	$T_{stg}$	-55 ~ 150	°C

## Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Reverse voltage	$V_R$	$I_R=10\mu A$	30	-	-	V
Reverse current	$I_R$	$V_R=30V$	-	-	0.1	$\mu A$
Forward voltage	$V_F$	$I_F=50mA$	-	0.9	-	V
Total capacitance	$C_T$	$V_R=1V, f=1MHz$	-	0.3	0.4	pF
Series resistance	$r_S$	$I_F=10mA, f=100MHz$	-	1.0	1.5	$\Omega$

※ Recommend PCB solder land (Unit : mm)



## Electrical Characteristic Curves

Fig. 1  $r_s - I_F$

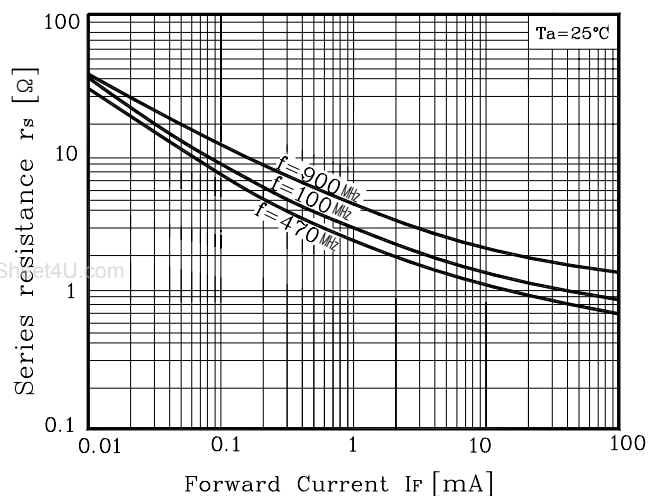


Fig. 2  $C_T - V_R$

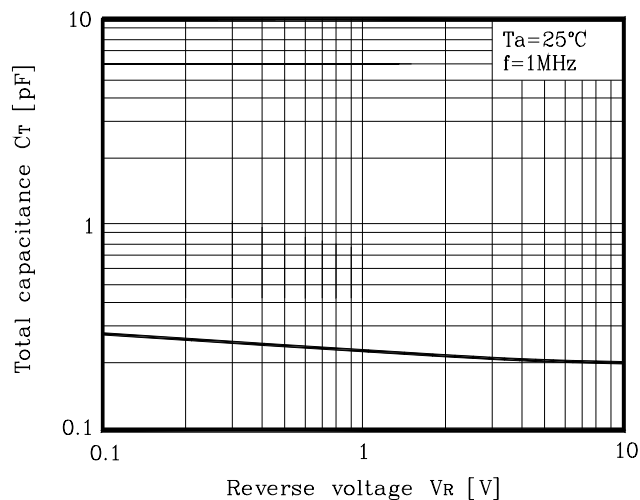
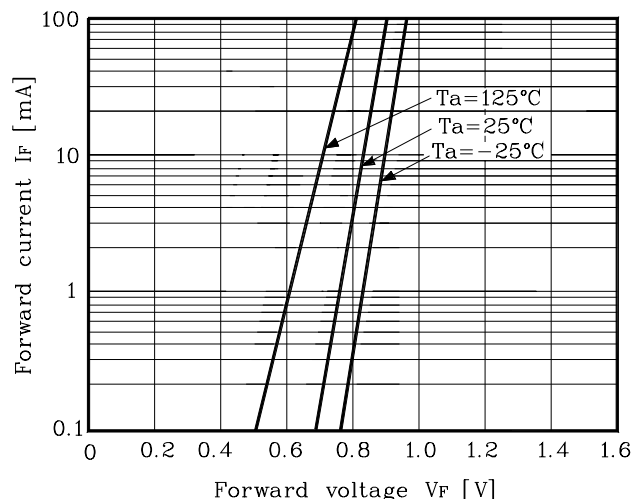


Fig. 3  $I_F - V_F$



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