

**Features**

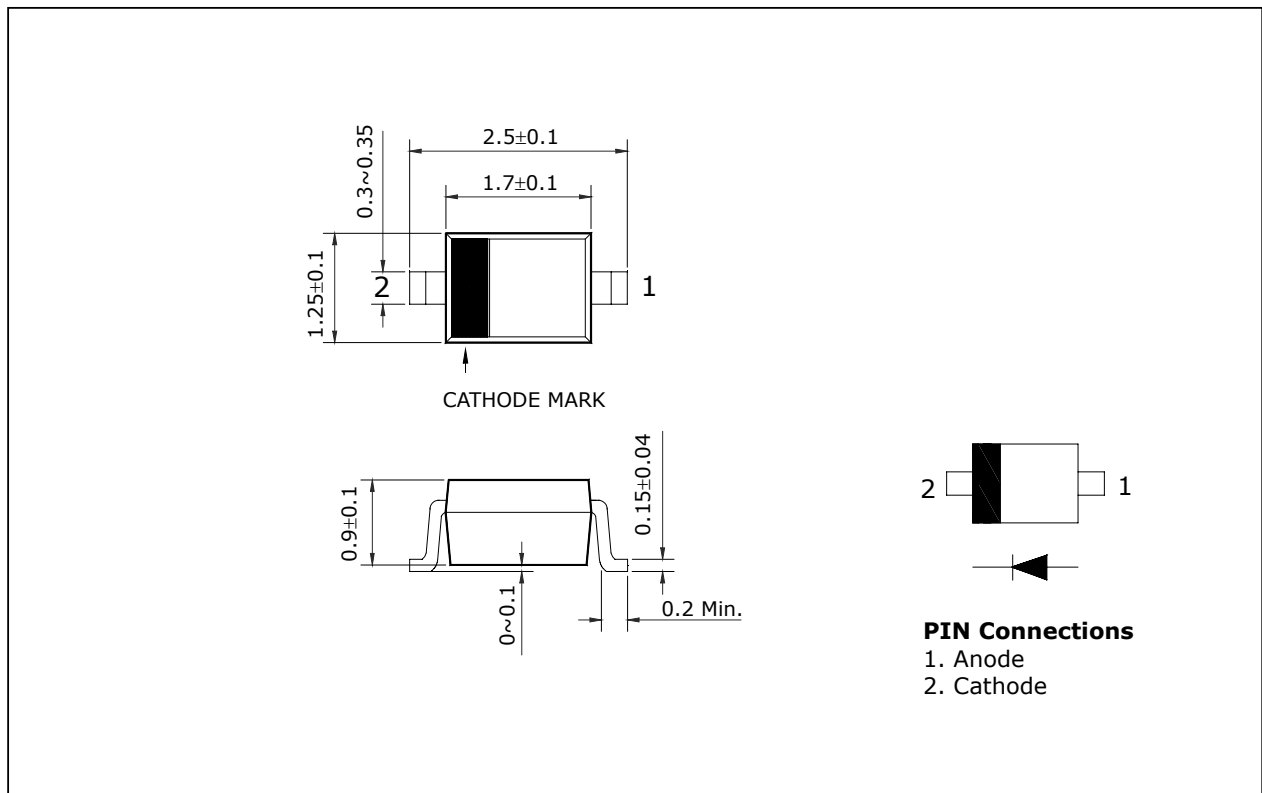
- VHF tuner band switch applications.
- Low Series Resistance :  $r_s = 0.9\Omega$  (Max.)
- Small Total Capacitance :  $C_T = 1.2\text{pF}$ (Max.)

**Ordering Information**

Type No.	Marking	Package Code
SDP410D	B2	SOD-323

**Outline Dimensions**

unit : mm



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# SDP410D

## Absolute maximum ratings

Ta=25°C

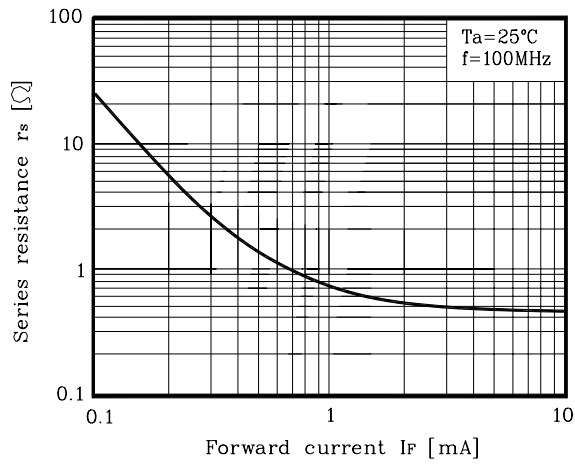
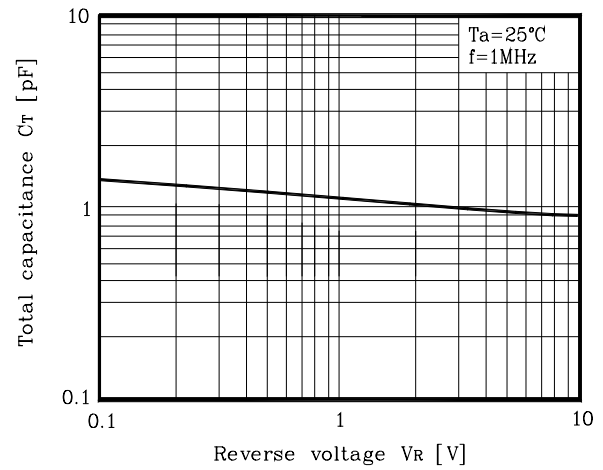
Characteristic	Symbol	Ratings	Unit
Continuous reverse voltage	V <sub>R</sub>	30	V
Forward current	I <sub>F</sub>	100	mA
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 ~ 150	°C

## Electrical Characteristics

Ta=25°C

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =2mA	-	-	0.85	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =15V	-	-	0.1	μA
Reverse voltage	V <sub>R</sub>	I <sub>R</sub> =1μA	30	-	-	V
Total capacitance	C <sub>T</sub>	V <sub>R</sub> =6V, f=1MHz	-	0.7	1.2	pF
Series resistance	r <sub>S</sub>	I <sub>F</sub> =2mA, f=100MHz	-	0.5	0.9	Ω

## Electrical Characteristic Curves

Fig. 1  $r_s$ - $I_F$ Fig. 2  $C_T$ - $V_R$ Fig. 3  $I_F$ - $V_F$ 