

## Features

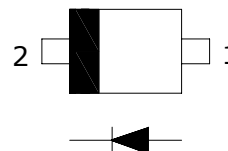
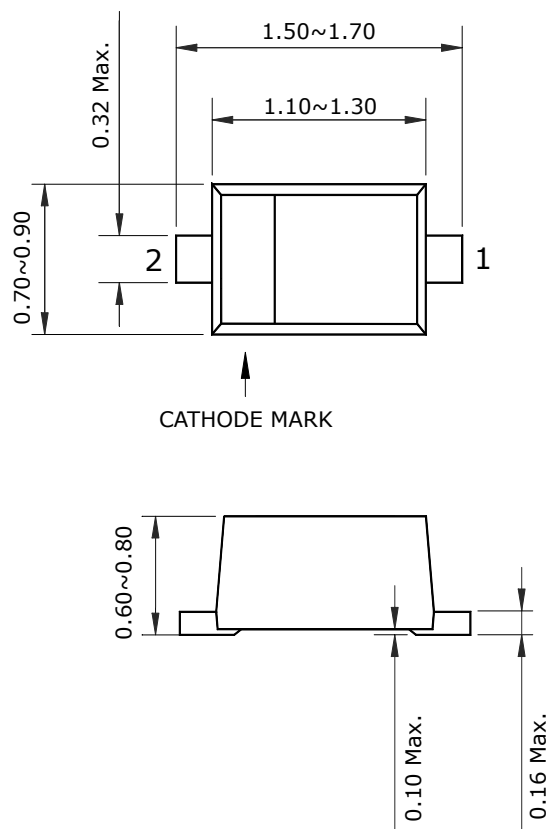
- VHF tuner band switch applications.
- Low Series Resistance :  $r_s = 0.9\Omega$  (Max.)
- Low Total Capacitance :  $C_T = 1.2\text{pF}$  (Max.)

## Ordering Information

Type No.	Marking	Package Code
SDP410Q	B2	SOD-523

## Outline Dimensions

unit : mm



### PIN Connections

1. Anode
2. Cathode

## Absolute maximum ratings

Ta=25°C

Characteristic	Symbol	Ratings	Unit
Continuous reverse voltage	$V_R$	30	V
Forward current	$I_F$	100	mA
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-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	$C_T$	$V_R=6\text{V}$ , $f=1\text{MHz}$	-	0.7	1.2	pF
Series resistance	$r_S$	$I_F=2\text{mA}$ , $f=100\text{MHz}$	-	0.5	0.9	$\Omega$

## Electrical Characteristic Curves

Fig. 1  $r_s$ - $I_F$

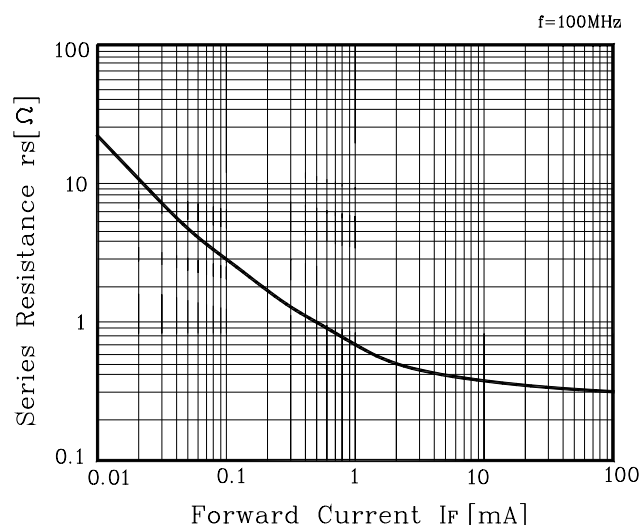


Fig. 2  $C_T$ - $V_R$

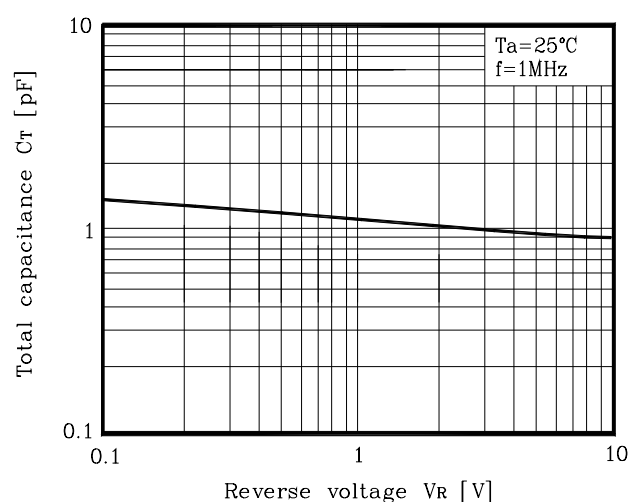
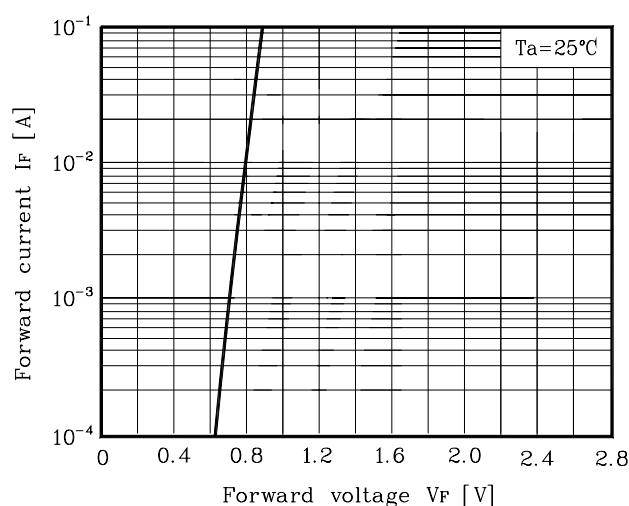


Fig. 3  $I_F$ - $V_F$



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