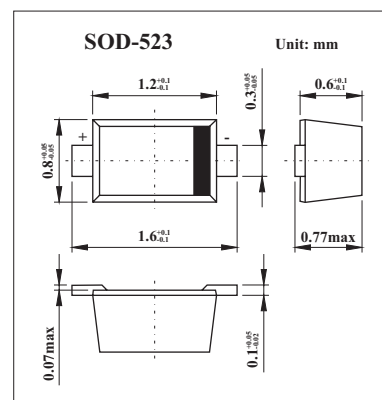


VHF TUNER BAND SWITCH APPLICATIONS

1SS381

■ Features

- Small Total Capacitance: $C_T = 1.2\text{pF}(\text{Max.})$
- Low Series Resistance: $r_s = 0.6\ \Omega(\text{Typ.})$

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	30	V
Forward current	I_F	100	mA
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature range	T_{stg}	-55 to +125	$^\circ\text{C}$

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	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	$I_F = 2\text{ mA}, f = 100\text{ MHz}$		0.6	0.9	Ω

■ Marking

Marking	TY
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