

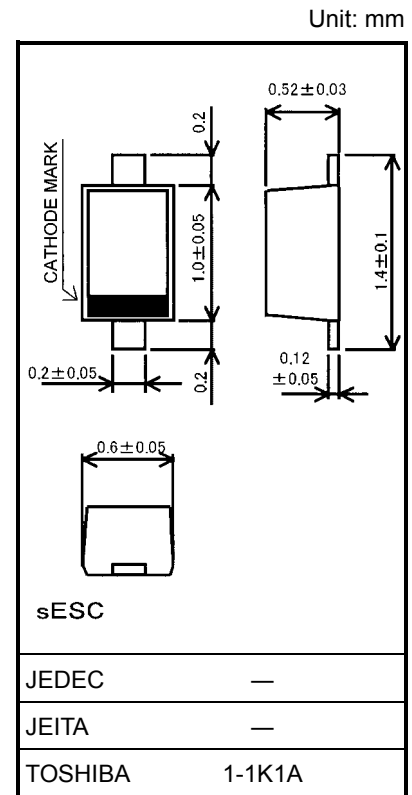
JDS2S03S

VHF Tuner Band Switch Applications

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Small total capacitance: $C_T = 0.7$ pF (typ.)
- Low series resistance: $r_s = 0.6$ Ω (typ.)

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_R	30	V
Forward current	I_F	100	mA
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature range	T_{stg}	-55~150	$^\circ\text{C}$



Weight: 0.0011 g

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

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Forward voltage	V_F	$I_F = 2$ mA	—	—	0.85	V
Reverse current	I_R	$V_R = 15$ V	—	—	0.1	μA
Reverse voltage	V_R	$I_R = 1$ μA	30	—	—	V
Total capacitance	C_T	$V_R = 6$ V, $f = 1$ MHz	—	0.7	1.2	pF
Series resistance	r_s	$I_F = 2$ mA, $f = 100$ MHz	—	0.6	0.9	Ω

Note: Signal level when capacitance is measured: $V_{sig} = 20$ mVrms

Marking

