

TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

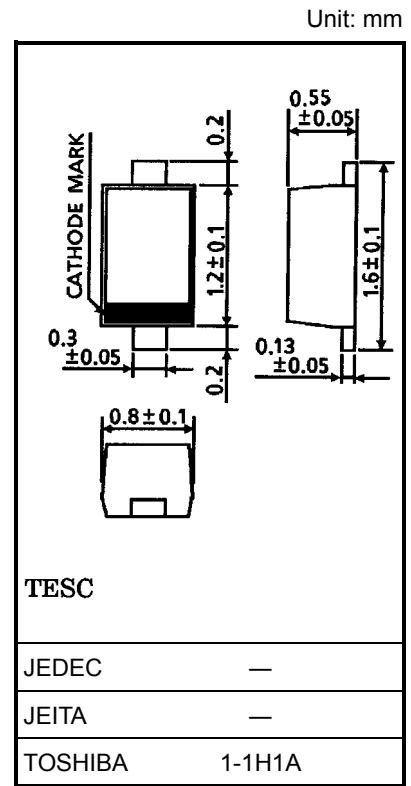
# JDH2S01T

## UHF Band Mixer

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.

### Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Maximum (peak) reverse voltage	$V_{RM}$	5	V
Forward current	$I_F$	30	mA
Junction temperature	$T_j$	125	°C
Storage temperature range	$T_{stg}$	-55~125	°C



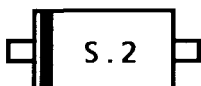
Weight: 0.0013 g (typ.)

### Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Forward voltage	$V_F$	$I_F = 2 \text{ mA}$	—	0.25	—	V
Forward current	$I_F$	$V_F = 0.5 \text{ V}$	30	—	—	mA
Reverse current	$I_R$	$V_R = 0.5 \text{ V}$	—	—	25	$\mu\text{A}$
Capacitance	$C_T$	$V_R = 0.2 \text{ V}, f = 1 \text{ MHz}$	—	0.6	—	pF

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

### Marking



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