

TOSHIBA DIODE SILICON EPITAXIAL PIN TYPE

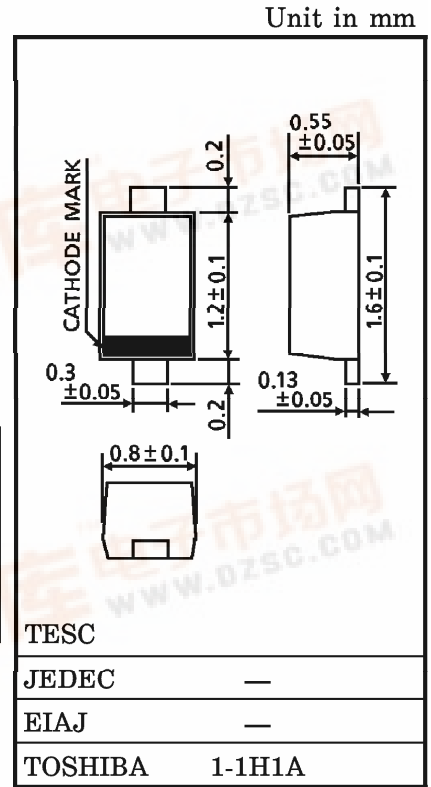
# JDP2S02T

UHF~VHF BAND RF ATTENUATOR APPLICATIONS

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Low Series Resistance :  $r_s = 1.0 \Omega$  (Typ.)
- Low Capacitance :  $C_T = 0.3 \text{ pF}$  (Typ.)

MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	30	V
Forward Current	$I_F$	50	mA
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55~125	$^\circ\text{C}$



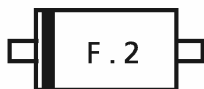
Weight : 0.0013 g

ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R = 10 \mu\text{A}$	30	—	—	V
Reverse Current	$I_R$	$V_R = 30 \text{ V}$	—	—	0.1	$\mu\text{A}$
Forward Voltage	$V_F$	$I_F = 50 \text{ mA}$	—	0.9	0.95	V
Capacitance	$C_T$	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$	—	0.3	0.5	pF
Series Resistance	$r_s$	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$	—	1.0	1.5	$\Omega$

\* Signal level when capacitance is measured :  $V_{sig} = 20 \text{ mV}_{rms}$

MARKING



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