



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

JDH2S01FS

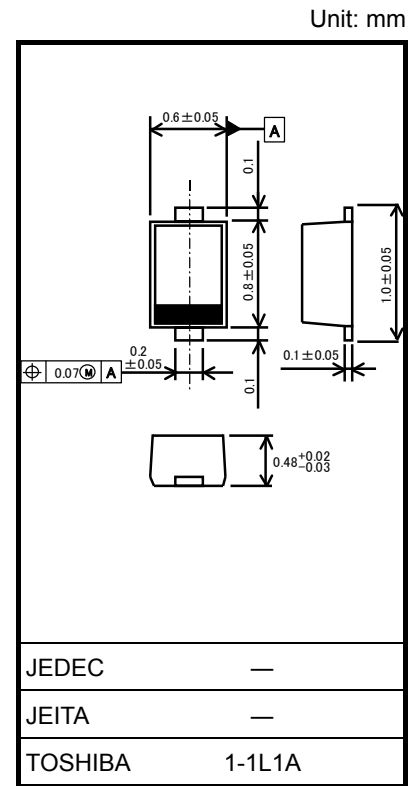
UHF Band Mixer

- Suitable for reducing set size through the use of a two-pin small package supporting high-density mounting

Absolute Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_R	4	V
Forward current	I_F	25	mA
Junction temperature	T_j	125	°C
Storage temperature range	T_{stg}	-55 to 125	°C

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings. Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/Derating Concept and Methods) and individual reliability data (i.e. reliability test report and estimated failure rate, etc).



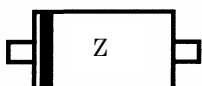
Weight: 0.0006 g (typ.)

Electrical Characteristics (Ta = 25°C)

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

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

Marking

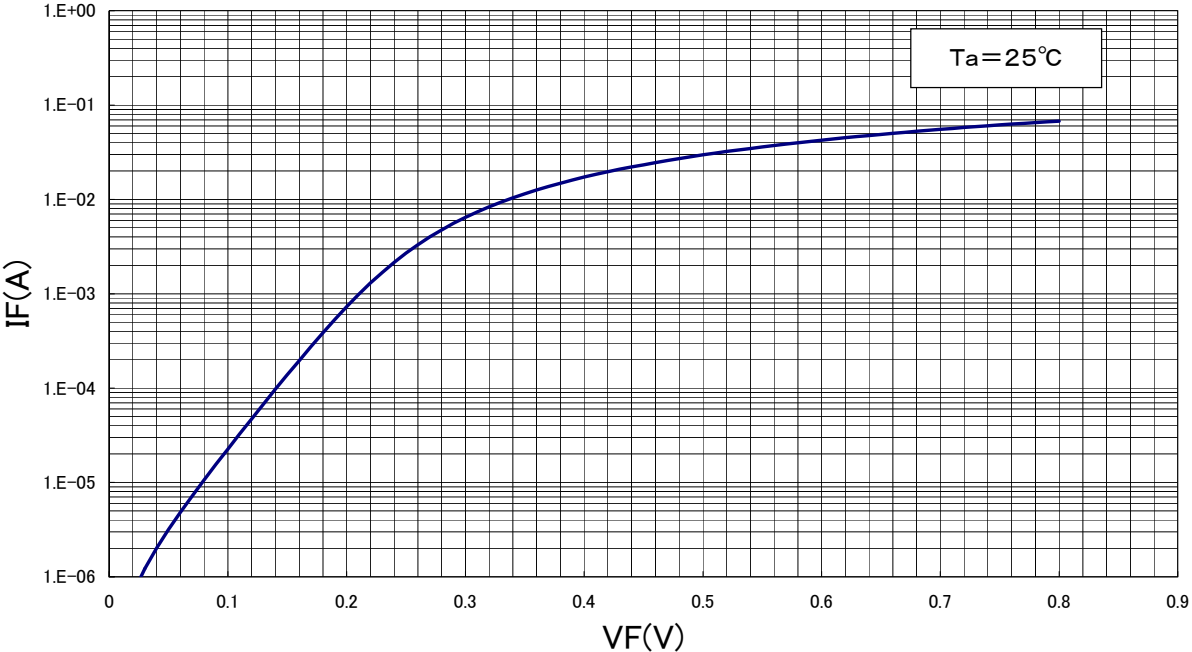


Caution

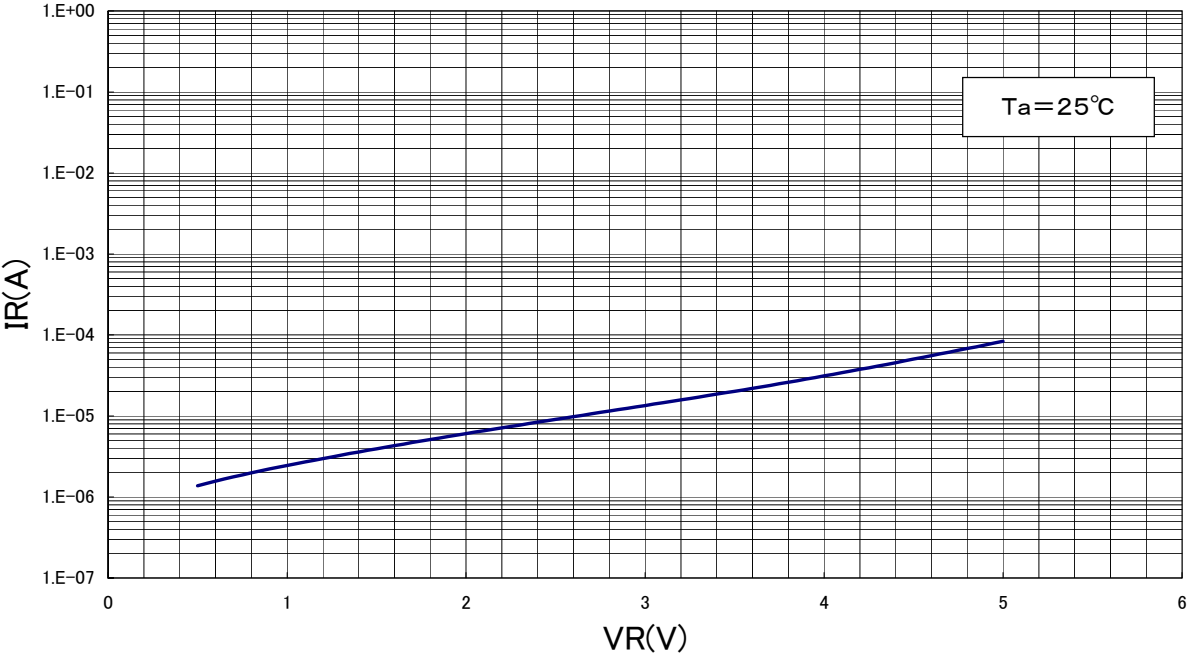
This device is sensitive to electrostatic discharge. Operators should wear antistatic clothing, and containers and other objects that come into direct contact with the product should be made of antistatic materials.

Start of commercial production
2004-10

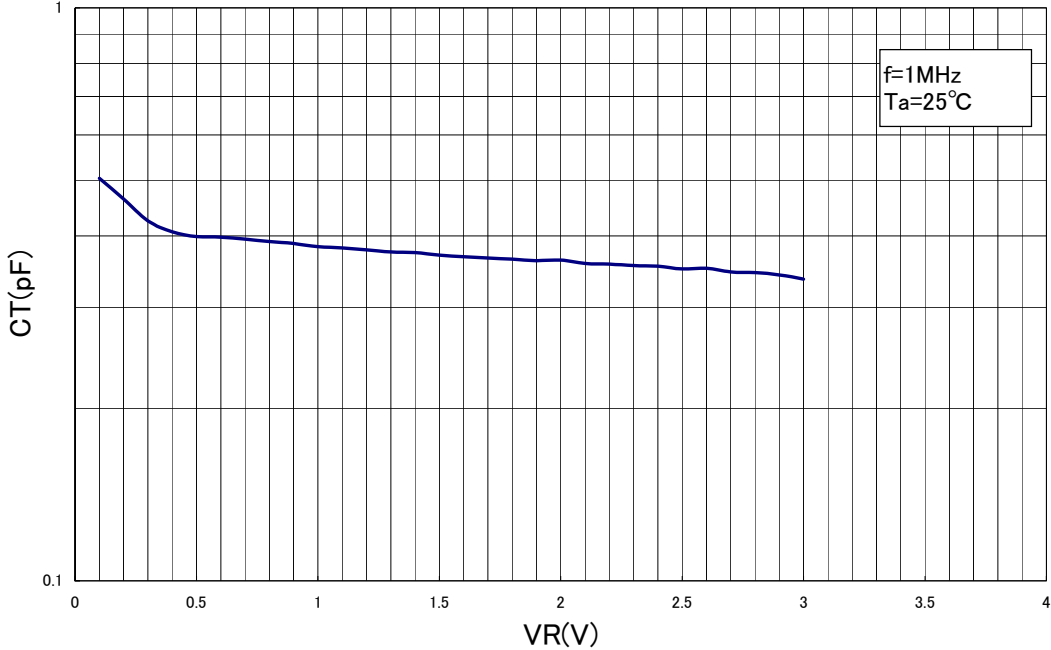
IF-VF



IR-VR



CT-VR



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