TOSHIBA TRANSISTOR SILICON EPITAXIAL PLANAR TYPE

H N 1 V 0 2 H

AM RADIO BAND TUNING APPLICATIONS.

High Capacitance Ratio: C1V/C8V=19.5 (Typ.)

High Q $= 200 \, (Min.)$

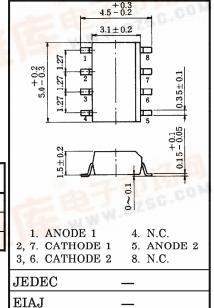
Including Two Devices in FM8 Package (Flat Pack Mini 8Pin)

Low Voltage Operation: VR=1~8V

MAXIMUM RATINGS (Ta = 25° C) (D₁, D₂)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	v_{R}	16	V
Junction Temperature	T_{j}	125	°C
Storage Temperature Range	$T_{ m stg}$	-55 <mark>~1</mark> 25	°C

Unit in mm



1-5J1B

Weight: 0.05g

TOSHIBA

ELECTRICAL CHARACTERISTICS (Ta = 25° C) (D₁, D₂)

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CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$ m V_{R}$	$I_R = 10 \mu A$	16	W.	3	V
Reverse Current	$I_{\mathbf{R}}$	$V_R=16V$	_	_	20	nA
Capacitance	C1V	$V_R=1V$, $f=1MHz$	435	_	540	pF
Capacitance	C3V	$V_R=3V$, $f=1MHz$	140	_	250	рF
Capacitance	C5V	$V_R=5V$, $f=1MHz$	50.0	_	90.0	pF
Capacitance	C8V	$V_R=8V$, $f=1MHz$	19.9		26.7	рF
Capacitance Ratio	C1V/C8V	_	16.2	19.5	_	
Figure of Merit	Q	$V_R = 1V, f = 1MHz$	200	_	17	

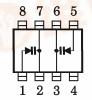
Note 1: Two Devices in one Package are matched for capacitance to 2.5%.

 $\frac{\text{C (Max.)} - \text{C (Min.)}}{\text{C (Min.)}} \leq 0.025 \text{ (V}_{\text{R}} = 1 \sim 8\text{V)}$

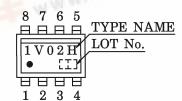
Note 2: C8V is devided into two classifications as follows.

Classification	C8V (pF)
A	19.9~23.7
В	22.4~26.7

PIN ASSIGNMENT (TOP VIEW)



MARKING



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