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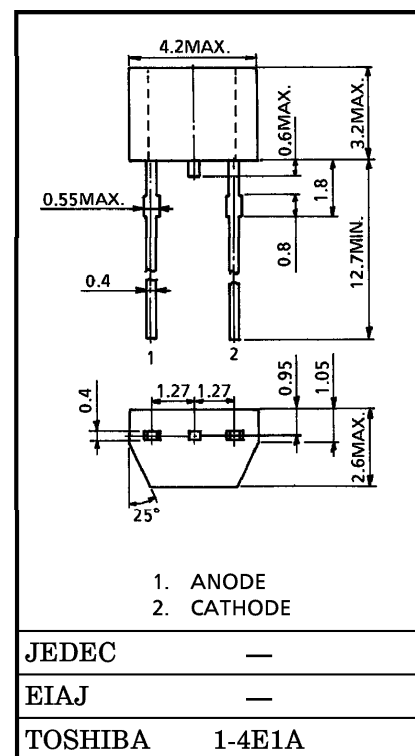
AM RADIO BAND TUNING APPLICATIONS

Unit in mm

- High Capacitance Ratio : $C_{2V} / C_{25V} = 23$ (Typ.)
- High Q : $Q = 400$ (Typ.)
- Small Package.

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-55 \sim 125$	$^\circ\text{C}$



Weight : 0.09 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	$V_R = 30 \text{ V}$	—	—	50	nA
Capacitance	C_{2V}	$V_R = 2 \text{ V}, f = 1 \text{ MHz}$	360	—	460	pF
Capacitance	C_{25V}	$V_R = 25 \text{ V}, f = 1 \text{ MHz}$	15	—	21	pF
Capacitance Ratio	C_{2V} / C_{25V}	—	20	23	—	
Figure of Merit	Q	$V_R = 2 \text{ V}, f = 1 \text{ MHz}$	200	400	—	

(Note) : Available in matched group for capacitance to 3.0%.

$$\frac{C(\text{Max.}) - C(\text{Min.})}{C(\text{Min.})} \leq 0.03 \quad (V_R = 2 \text{ V} \sim 25 \text{ V})$$

and capacitance is classified as Table 1.

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Table 1 : Capacitance Data

TEST CONDITION : f = 1 MHz, Ta = 25°C

Unit : pF

No.	C _{2V}	C _{10V}	C _{20V}	C _{25V}
1	363.9~374.8	75.67~77.93	17.41~17.93	15.34~15.80
2	372.9~384.0	77.53~79.85	17.83~18.36	15.72~16.19
3	382.0~393.4	79.45~81.83	18.26~18.80	16.10~16.58
4	391.4~403.1	81.42~83.86	18.70~19.26	16.48~16.97
5	401.1~413.1	83.44~85.94	19.16~19.73	16.87~17.37
6	411.0~423.3	85.50~88.06	19.63~20.21	17.27~17.78
7	421.1~433.7	87.61~90.23	20.10~20.70	17.68~18.21
8	431.5~444.4	89.77~92.46	20.58~21.19	18.11~18.65
9	442.0~455.2	91.98~94.73	21.07~21.70	18.55~19.10
10		94.25~97.07	21.58~22.22	19.00~19.57
11		96.57~99.46	22.10~22.76	19.47~20.05
12		98.96~101.92	22.64~23.31	19.95~20.54
13		101.40~104.44	23.19~23.88	
14		103.92~107.03	23.76~24.47	
15		106.49~109.68	24.33~25.05	
16		109.12~112.39	24.91~25.65	
17		111.82~115.17	25.51~26.27	
18		114.59~118.02	26.13~26.91	
19			26.77~27.57	

- (1) This table is not selection guide, which means only to show the data.
 (2) The number on the vinyl package (on the label in the vinyl package) is to show the capacitance data at each voltage in a matched group.

EXAMPLE: 4 - 3 - 2 - 1
 (C_{2V}) (C_{10V}) (C_{20V}) (C_{25V})

- (3) The absolute capacitance value is in $\pm 0.5\%$

