Unit: mm

TOSHIBA Diode Silicon Epitaxial Planar Type

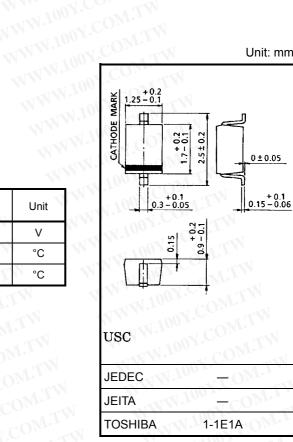
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- High capacitance ratio: $C_1 \text{ V/C}_4 \text{ V} = 4.3 \text{ (typ.)}$
- Low series resistance: $r_s = 0.4 \Omega$ (typ.)
- Useful for small size tuner.

Maximum Ratings (Ta = 25°C)

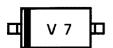
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Symbol	Rating	Unit
V_{R}	10	V
T _j 100	125	°C
T _{stg}	-55~125	°C
	V _R	V _R 10 125



Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V _R	$I_R = 1 \mu A$	10	- TI	W.700	V
Reverse current	I _R	V _R = 10 V	1.17		3	nA
Capacitance	C _{1 V}	V _R = 1 V, f = 1 MHz	26.5		29.5	pF
Capacitance	C _{4 V}	V _R = 4 V, f = 1 MHz	6.0		7.1	pF
Capacitance ratio	C _{1 V} /C _{4 V}	MALL	4.0	4.3	N. T.	a. 10 07
Series resistance	r _s	V _R = 4 V, f = 100 MHz	W. TA	0.4	0.8	Ω

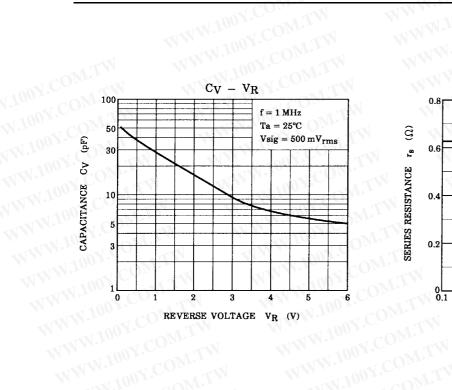
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Marking

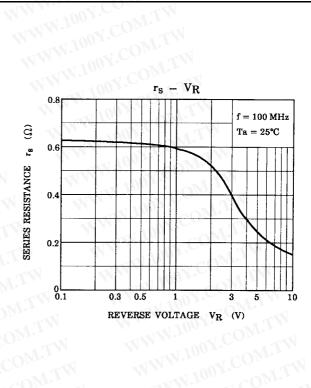


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