TOSHIBA Variable Capacitance Diode Silicon Epitaxial Planar Type

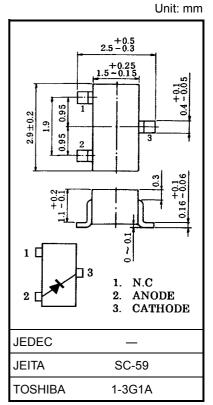
1SV160

AFC Application for FM Receiver

- Small package.
- Low series resistance: $r_s = 0.7 \Omega$ (typ.)

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V _R	15	V
Junction temperature	Тј	125	°C
Storage temperature range	T _{stg}	-55~125	°C

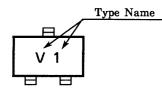


Electrical Characteristics (Ta = 25°C)

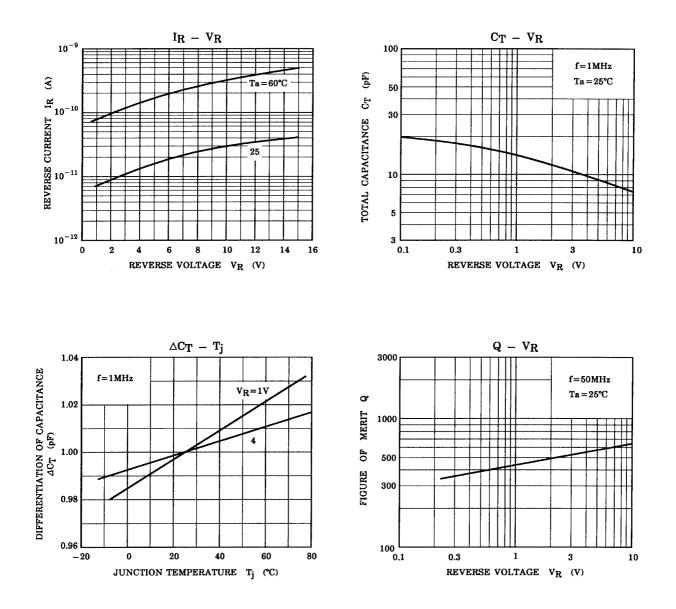
Weight: 0.012 g (typ.)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse current	I _R	$V_R = 4 V$			100	nA
Reverse voltage	V _R	I _R = 10 μA	15	_	_	V
Total capacitance	CT	V _R = 4 V, f = 1 MHz	7	_	14	pF
Capacitance ratio	C2 V/C4 V		1.2	_	1.5	
Series resistance	r _s	V _R = 4 V, f = 50 MHz	_	0.7	1.2	Ω

Marking



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