

1SV160

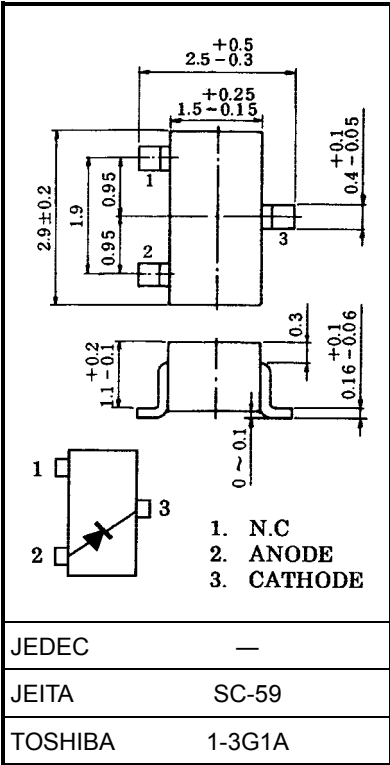
AFC Application for FM Receiver

- 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	T_j	125	°C
Storage temperature range	T_{stg}	-55~125	°C

Unit: mm

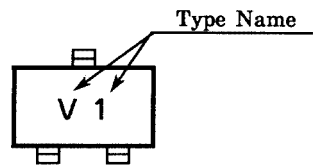


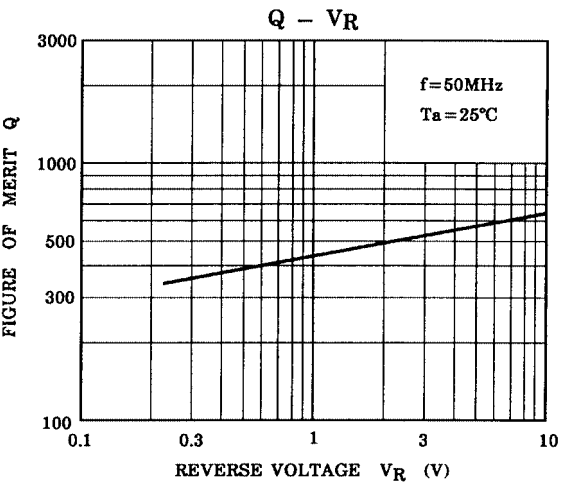
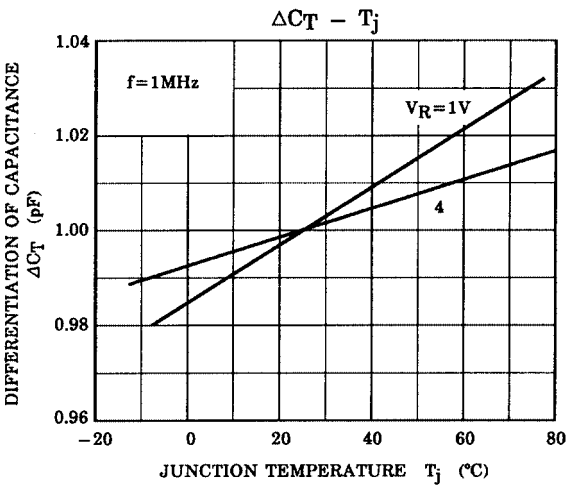
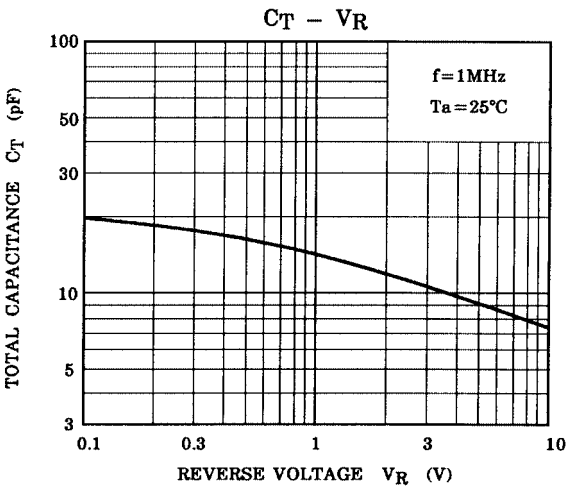
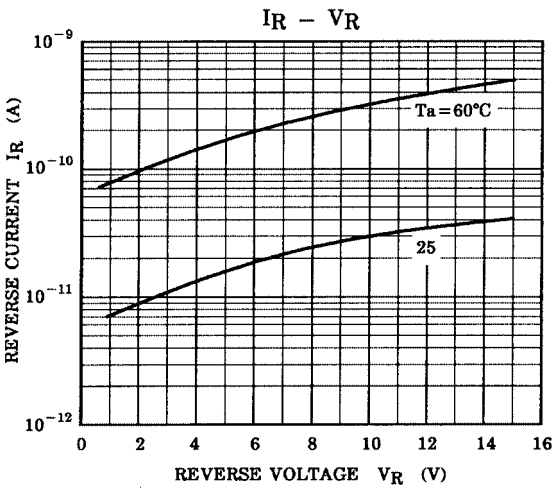
Electrical Characteristics (Ta = 25°C)

Weight: 0.012 g (typ.)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse current	I_R	$V_R = 4 \text{ V}$	—	—	100	nA
Reverse voltage	V_R	$I_R = 10 \, \mu\text{A}$	15	—	—	V
Total capacitance	C_T	$V_R = 4 \text{ V}, f = 1 \text{ MHz}$	7	—	14	pF
Capacitance ratio	$C_2 \text{ V/C4 V}$	—	1.2	—	1.5	—
Series resistance	r_s	$V_R = 4 \text{ V}, f = 50 \text{ MHz}$	—	0.7	1.2	Ω

Marking





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