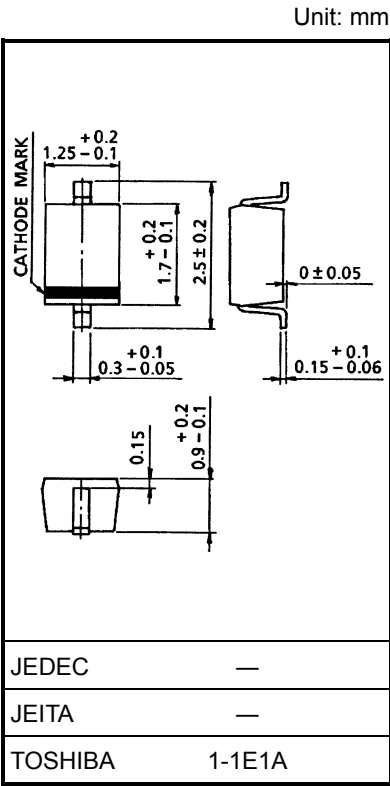


1SV216

TV VHF UHF Tuner AFC

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	$V_R$	30	V
Peak reverse voltage	$V_{RM}$	35 ( $R_L = 10\text{ k}\Omega$ )	V
Junction temperature	$T_j$	125	°C
Storage temperature range	$T_{stg}$	-55~125	°C



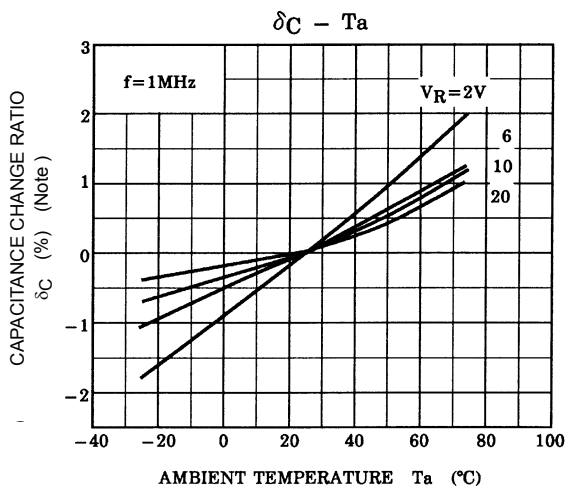
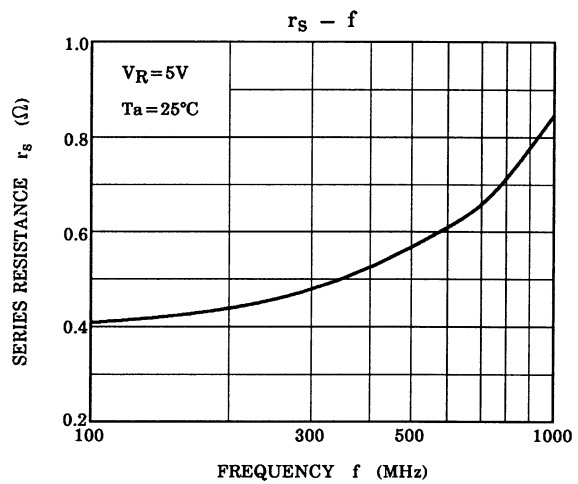
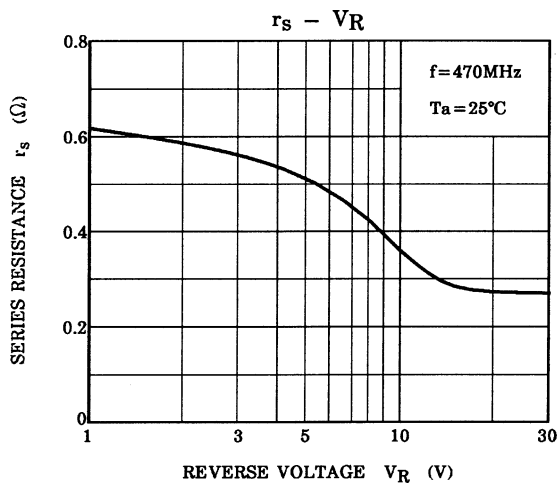
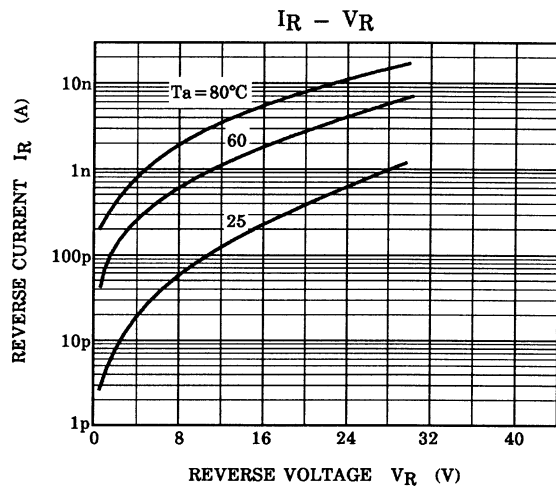
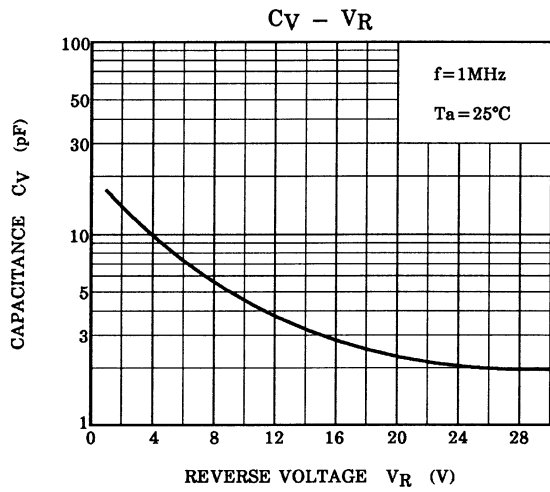
Electrical Characteristics (Ta = 25°C)

Weight: 0.004 g (typ.)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	$V_R$	$I_R = 1\text{ }\mu\text{A}$	30	—	—	V
Reverse current	$I_R$	$V_R = 28\text{ V}$	—	—	10	nA
Capacitance	$C_{2\text{ V}}$	$V_R = 2\text{ V}, f = 1\text{ MHz}$	10.5	—	16	pF
Capacitance	$C_{10\text{ V}}$	$V_R = 10\text{ V}, f = 1\text{ MHz}$	3.3	—	5.7	pF
Capacitance ratio	$C_{2\text{ V}}/C_{10\text{ V}}$	—	2.5	—	3.4	—
Series resistance	$r_s$	$V_R = 5\text{ V}, f = 470\text{ MHz}$	—	0.55	1.2	$\Omega$

Marking





$$\text{Note: } \delta C = \frac{C(T_a) - C(25)}{C(25)} \times 100 \text{ (%)}$$

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000707EAA

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