

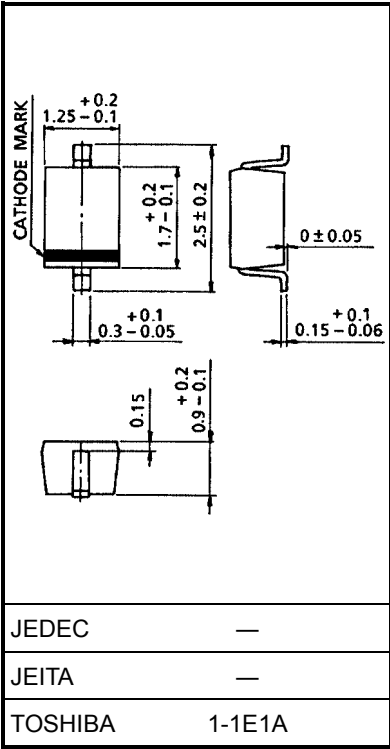
1SV216

TV VHF UHF Tuner AFC

Unit: mm

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	Ω

Marking

