

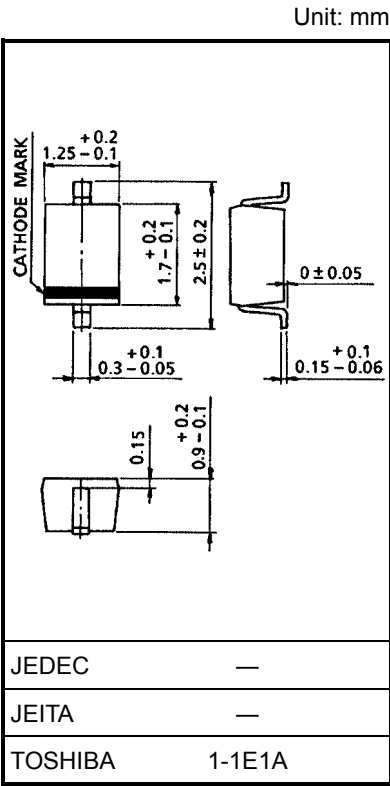
1SV293

VCO for UHF Band Radio

- Ultra low series resistance: $r_s = 0.26 \, \Omega$ (typ.)
- Useful for small size set

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_R	10	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	$I_R = 1 \, \mu A$	10	—	—	V
Reverse current	I_R	$V_R = 10 \, V$	—	—	3	nA
Capacitance	C_{1V}	$V_R = 1 \, V, f = 1 \, MHz$	18.0	—	20.0	pF
Capacitance	C_{4V}	$V_R = 4 \, V, f = 1 \, MHz$	10.1	—	11.6	pF
Capacitance ratio	C_{1V}/C_{4V}	—	1.55	—	—	—
Series resistance	r_s	$V_R = 1 \, V, f = 470 \, MHz$	—	0.26	0.4	Ω

Marking

