

1SV276

VCO for UHF Band Radio

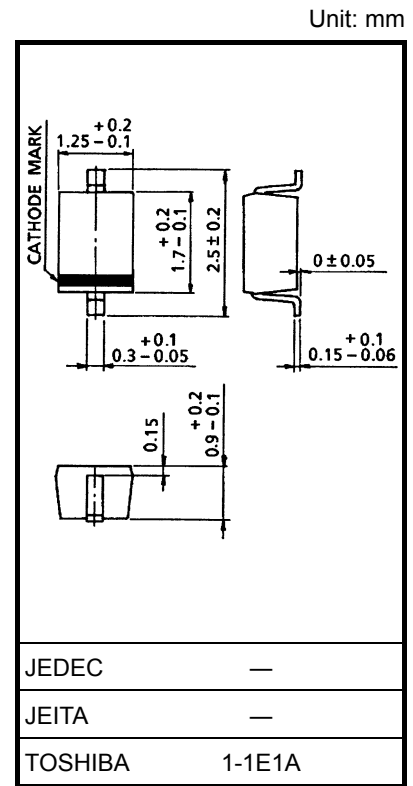
- High capacitance ratio: $C_{1V}/C_{4V} = 2.0$ (typ.)
- Low series resistance: $r_s = 0.22 \Omega$ (typ.)
- Small package

Absolute 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

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings.

Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/"Derating Concept and Methods") and individual reliability data (i.e. reliability test report and estimated failure rate, etc).

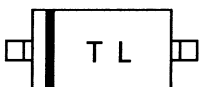


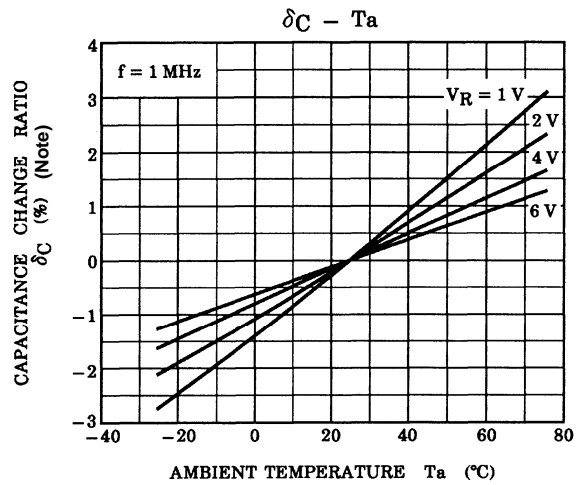
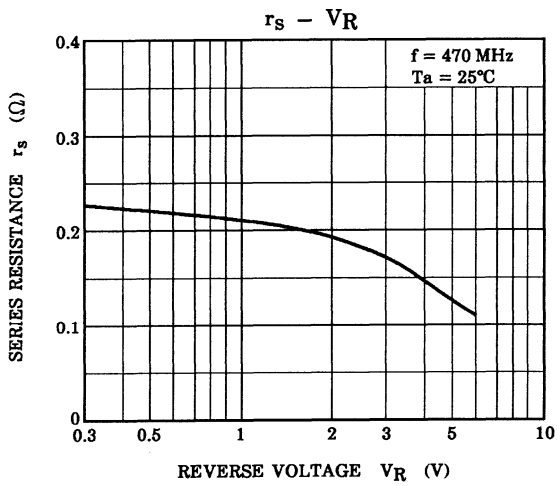
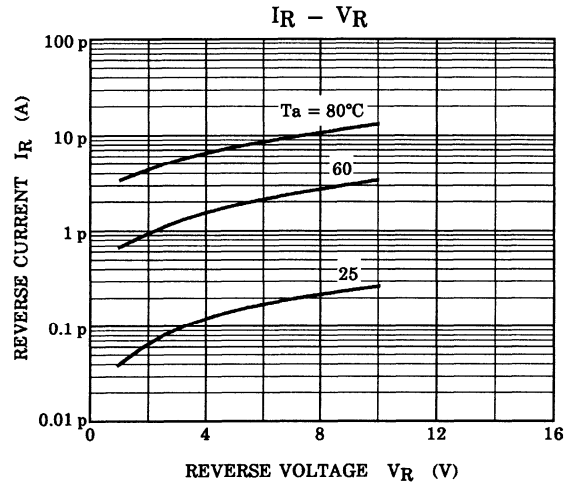
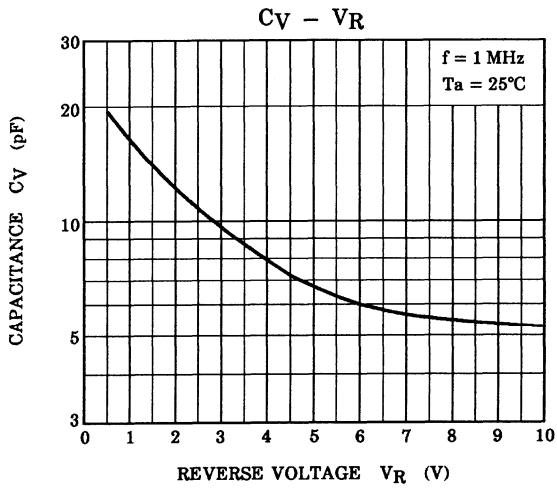
Weight: 0.004 g (typ.)

Electrical Characteristics (Ta = 25°C)

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}	$V_R = 1 V, f = 1 MHz$	15	16	17	pF
Capacitance	C_{4V}	$V_R = 4 V, f = 1 MHz$	7.0	8.0	8.5	pF
Capacitance ratio	C_{1V}/C_{4V}	—	1.8	2.0	—	—
Series resistance	r_s	$V_R = 1 V, f = 470 MHz$	—	0.22	0.4	Ω

Marking





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

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КПП 780501001

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Информационное письмо

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Наличие собственной логистики позволяет в кратчайшие сроки доставлять товар нашим клиентам. В нашей компании имеется Конструкторский отдел, где наши специалисты проводят технические консультации клиентов, квалифицированную поддержку и помощь российским разработчикам. Осуществляем Поставки импортной продукции под контролем ВП МО РФ, на предприятия Оборонно-промышленного комплекса России. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001-2011.

Благодаря нацеленности на результат, мы уверенно занимаем новые позиции на рынке, заинтересовывая Клиента не только актуальными ценами и гибким подходом, но и постоянным вниманием.

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- Индивидуальный подход;
- Гибкие цены.

Модули, микросхемы, пассивные компоненты, Xilinx (XC), Altera (EP,EPF, EPM) и силовая электроника – это наши ведущие позиции, на поставку которых мы гарантированно дадим Вам самые выгодные предложения!

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- Подбор оптимального решения при выборе компонента;
- Подбор аналогов;
- Техническая поддержка;
- Консультации у производителей;
- Поставка прототипов;

С Уважением, Чернов Павел.

Руководитель отдела продаж ООО "ТАЙМЧИПС"

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