

Features

- High capacitance ratio in low voltage
- Low series resistance ($r_s=0.6\Omega$ Max.)

Application

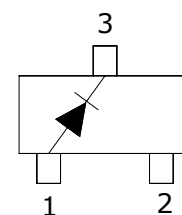
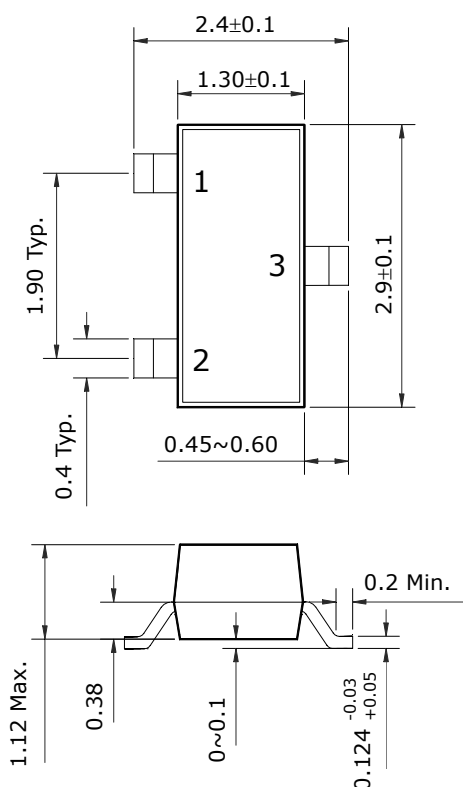
- AFC, VCO application

Ordering Information

Type No.	Marking	Package Code
SDV251S	V7	SOT-23

Outline Dimensions

unit : mm



PIN Connections

1. Anode
2. NC
3. Cathode

Absolute maximum ratings**Ta=25°C**

Characteristic	Symbol	Ratings	Unit
Reverse voltage	V_R	12	V
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 ~ 150	°C

Electrical Characteristics**Ta=25°C**

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Reverse Voltage	V_R	$I_R=10\ \mu A$	12	-	-	V
Reverse Current	I_R	$V_R=9V$	-	-	200	nA
Diode Capacitance	$C_{1.6V}$	$V_R=1.6V, f=1MHz$	23	-	38	pF
	$C_{5.0V}$	$V_R=5V, f=1MHz$	11	-	19	
Capacitance Ratio	n	$C_{1.6V} / C_{5.0V}$	1.7	2.0	2.2	-
Series resistance	r_S	$V_R=1V, f=50MHz$	-	-	0.6	Ω

