

Features

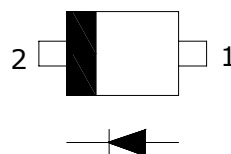
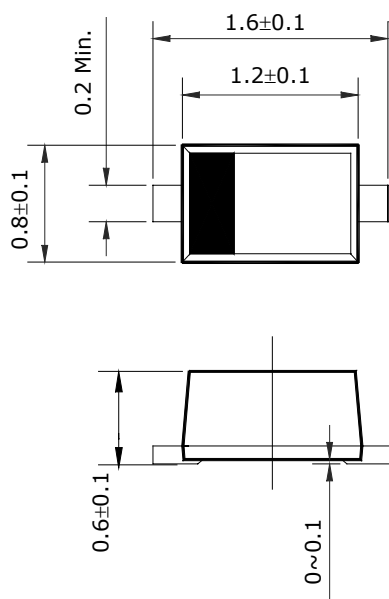
- Suitable for UHF band VCO.
- Low series resistance.

Ordering Information

Type No.	Marking	Package Code
SDV708Q	V8	SOD-523

Outline Dimensions

unit : mm



PIN Connections

1. Anode
2. Cathode

Absolute maximum ratings**Ta=25°C**

Characteristic	Symbol	Ratings	Unit
Continuous reverse voltage	V_R	20	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	$I_R=1\mu A$	20	-	-	V
Reverse current	I_R	$V_R=20V$	-	-	10	nA
Total Capacitance	C_{2V}	$V_R=2V, f=1MHz$	13.90	-	16.10	pF
	C_{10V}	$V_R=10V, f=1MHz$	4.0	-	5.0	pF
Capacitance Ratio	$C_{2V/10V}$		3.0	-	-	
Series resistance	r_S	$V_R=5V, f=470MHz$	-	-	0.6	Ω

Fig. 1 $C_T - V_R$ 