



SDV708D

Variable Capacitance Diode

Features

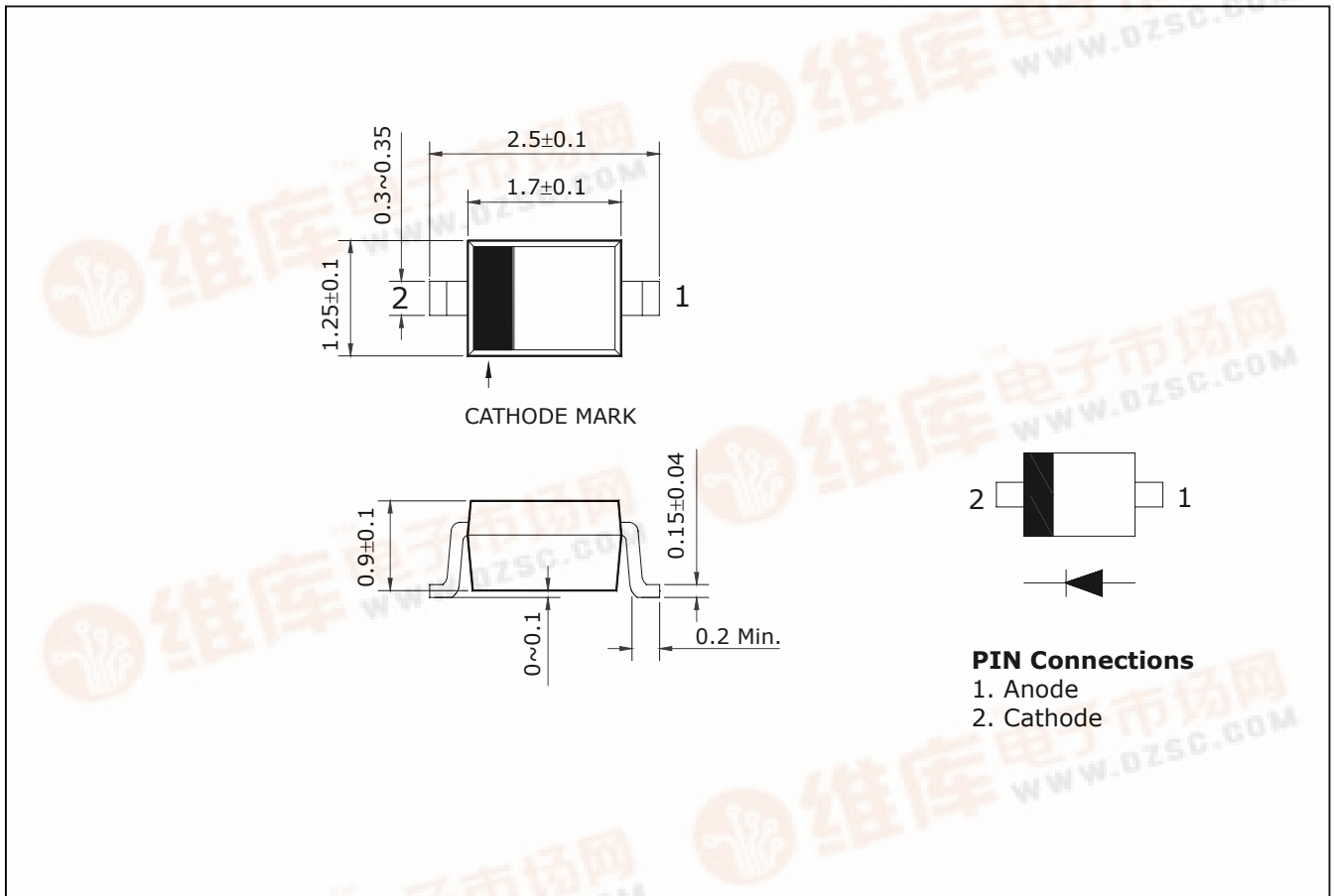
- Suitable for UHF band VCO.
- Low series resistance.

Ordering Information

Type No.	Marking	Package Code
SDV708D	V8	SOD-323

Outline Dimensions

unit : mm



SDV708D

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 =1μA	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 $C_T - V_R$

