

**Features**

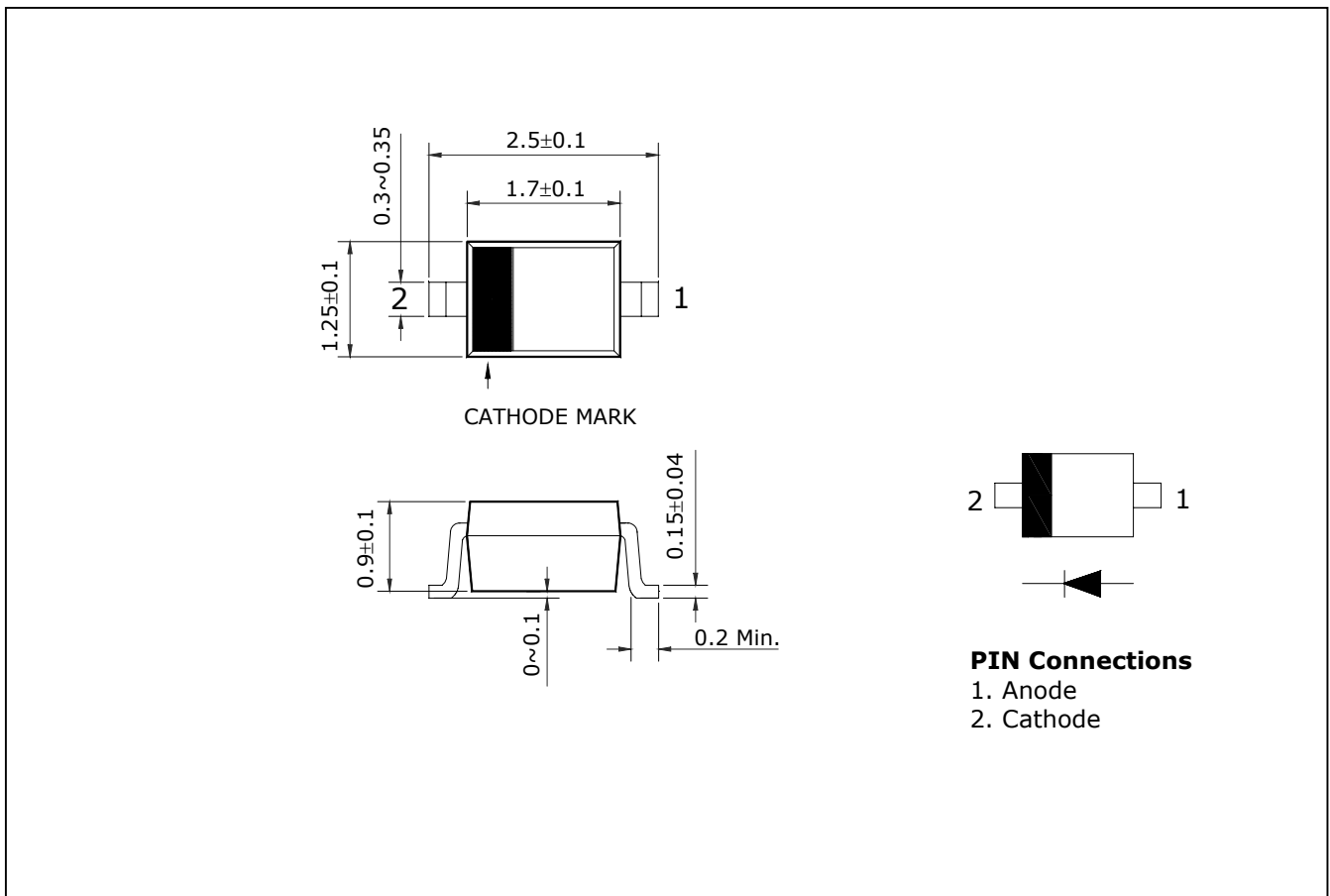
- Suitable for UHF band VCO.
- Low series resistance.

**Ordering Information**

Type No.	Marking	Package Code
SDV708D	V8	SOD-323

**Outline Dimensions**

unit : mm



**Absolute maximum ratings**

Ta=25°C

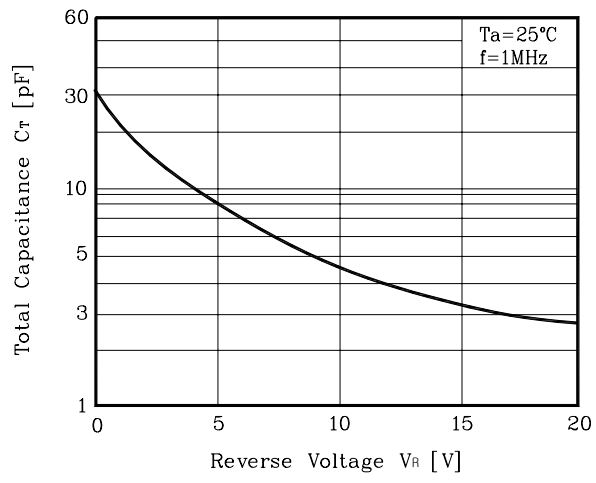
Characteristic	Symbol	Ratings	Unit
Continuous reverse voltage	$V_R$	20	V
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 ~ 150	°C

**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	-	16.40	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	$\Omega$

Fig. 1  $C_T - V_R$



**These AUK products are intended for usage in general electronic equipments (Office and communication equipment, measuring equipment, domestic electrification, etc.).**

**Please make sure that you consult with us before you use these AUK products in equipments which require high quality and/or reliability, and in equipments which could have major impact to the welfare of human life(atomic energy control, airplane, spaceship, traffic signal, combustion central, all types of safety device, etc.).**

**AUK cannot accept liability to any damage which may occur in case these AUK products were used in the mentioned equipments without prior consultation with AUK.**