

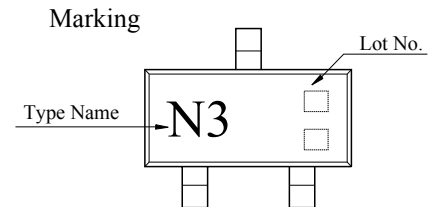
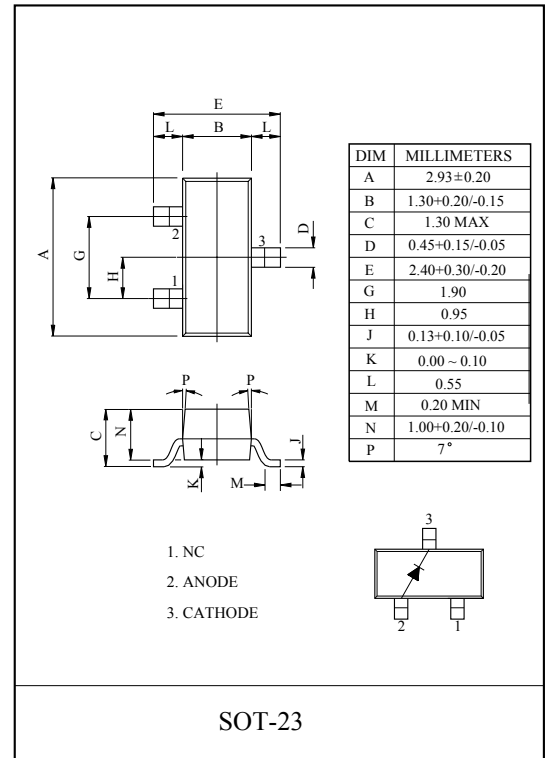
VCO for CB, C/P PLL APPLICATION.

FEATURES

- Low Series Resistance : $r_s=0.3(\text{Typ.})$.
- Small Package.

MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	15	V
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=10\mu A$	15	-	-	V
Reverse Current	I_R	$V_R=15V$	-	-	50	nA
Capacitance	C_{2V}	$V_R=2V, f=1MHz$	42	-	47.5	pF
	C_{8V}	$V_R=8V, f=1MHz$	24	-	28.8	
Capacitance Ratio	C_{2V}/C_{8V}		1.60	-	1.8	
Series Resistance	r_s	$C=38pF, f=100MHz$	-	0.3	0.4	Ω

KDV152S

