

VCO FOR C/P, CB PLL

FEATURES

- Low Series Resistance : 0.6Ω (Max.)
- High Capacitance Ratio : 1.7 (Min.) ~ 2.2 (Max.)

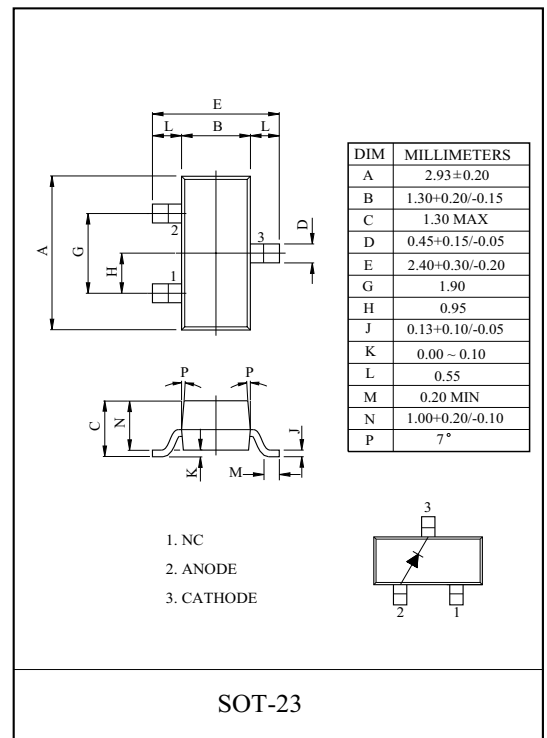
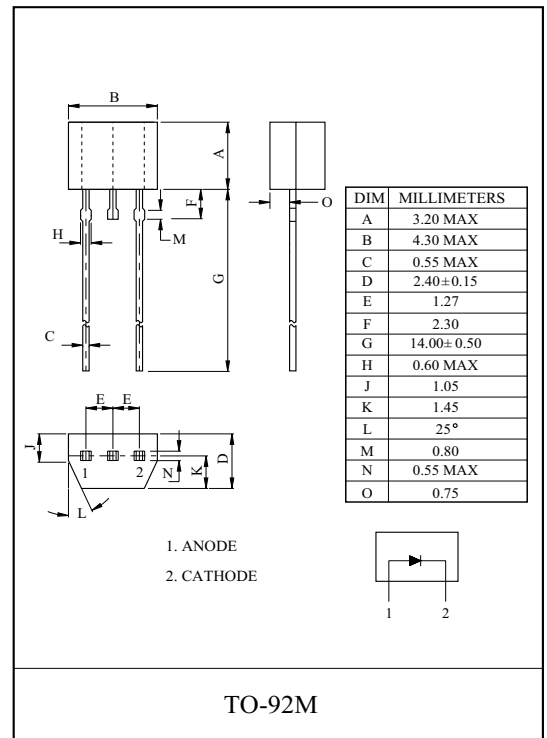
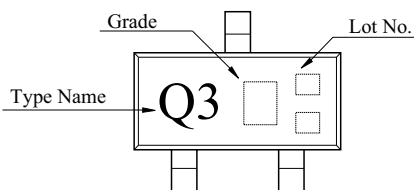
MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	12	V
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C

CLASSIFICATION OF CAPACITANCE RATIO GRADE

GRADE	CAPACITANCE RATIO ($C_{1.6V}/C_{5V}$)
NONE	1.70 ~ 2.20
A	1.70 ~ 1.82
B	1.80 ~ 1.92
C	1.90 ~ 2.020
D	2.00 ~ 2.12
E	2.10 ~ 2.20

Marking



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
Capacitance	$C_{1.6V}$	$V_R=1.6V, f=1MHz$	23	-	38	pF
Capacitance	C_{5V}	$V_R=5V, f=1MHz$	11	-	19	pF
Capacitance Ratio	$C_{1.6V}/C_{5V}$		1.7	-	2.2	
Series Resistance	r_s	$V_R=1V, f=50MHz$	-	-	0.6	Ω

KDV251M/S

