

TUNING OF SEPERATE RESONANT CIRCUIT, PUSH-PULL CIRCUIT IN FM RANGE, ESPECIALLY FOR CAR AUDIO.

#### FEATURES

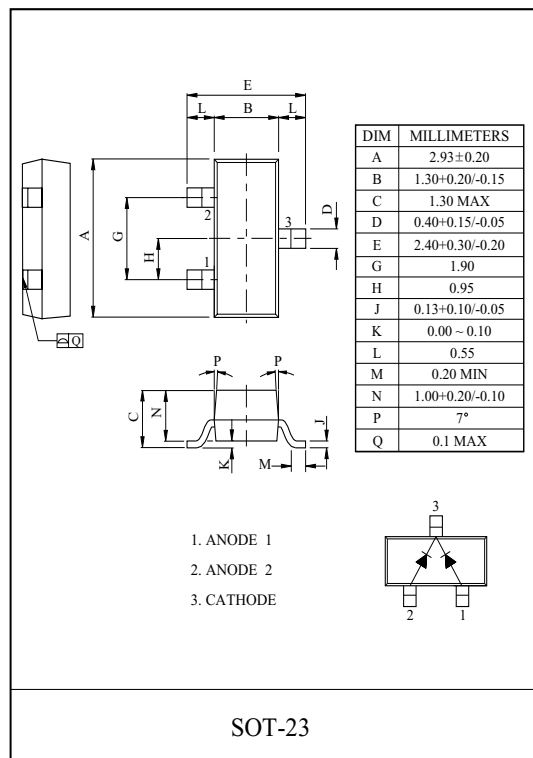
- Low Series Resistance :  $r_s=0.3$ (TYP.).
- Small Package : SOT-23.

#### MAXIMUM RATING (Ta=25°C)

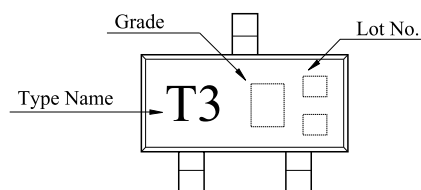
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	15	V
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 150	°C

#### CLASSIFICATION OF CAPACITANCE RATIO GRADE

GRADE	CAPACITANCE( $C_{2V}$ )	UNIT
B	43 ~ 44.5	pF
C	44 ~ 45.5	



#### Marking



#### 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	$C_{2V}$	$V_R=2V, f=1MHz$	43	-	45.5	pF
	$C_{8V}$	$V_R=8V, f=1MHz$	24	-	28.8	
Capacitance Ratio	$C_{2V}/C_{8V}$		1.74	-	1.85	
Series Resistance	$r_s$	$C=38pF, f=100MHz$	-	0.3	0.4	$\Omega$

# KDV804KS

