

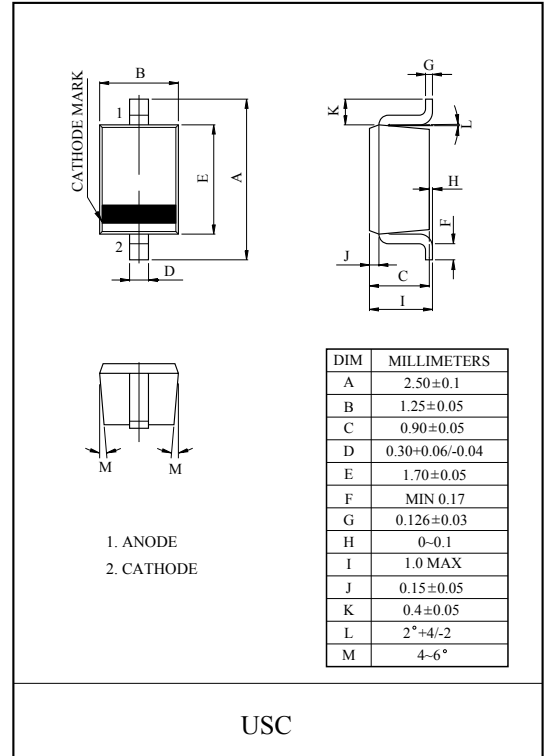
CATV TUNING.

FEATURES

- High Capacitance Ratio : $C_{2V}/C_{25V}=11.5$ (Typ.)
- Low Series Resistance : $r_s=0.55\Omega$ (Typ.)
- Excellent C-V Characteristics, and Small Tracking Error.
- Useful for Small Size Tuner.

MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	34	V
Peak Reverse Voltage	V_{RM}	36 ($R_L=10k\Omega$)	V
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55 ~ 125	°C



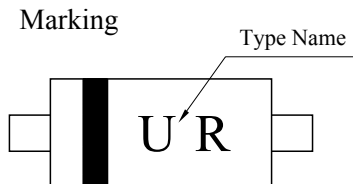
ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=1\mu A$	34	-	-	V
Reverse Current	I_R	$V_R=28V$	-	-	10	nA
Capacitance	C_{2V}	$V_R=2V, f=1MHz$	29	31.5	34	pF
Capacitance	C_{25V}	$V_R=25V, f=1MHz$	2.5	2.75	2.9	pF
Capacitance Ratio	C_{2V}/C_{25V}		11.0	11.5	-	-
	C_{25V}/C_{28V}		1.03	1.05	-	-
Series Resistance	r_s	$V_R=5V, f=470MHz$	-	0.55	0.7	Ω

Note : Available in matched group for capacitance to 2.0%.

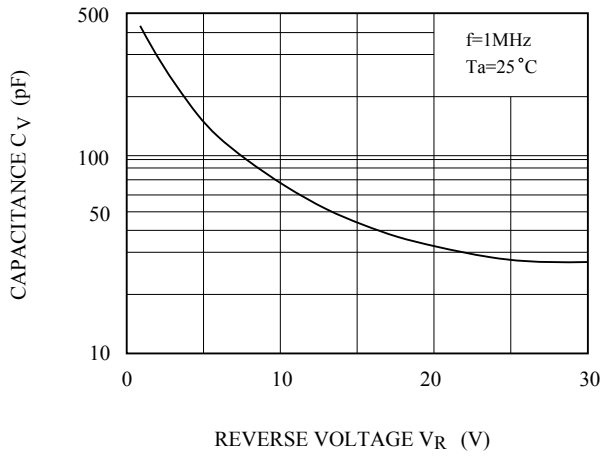
$$\frac{C(\text{Max.})-C(\text{Min.})}{C(\text{Min.})} \leq 0.02$$

($V_R=2\sim 25V$)

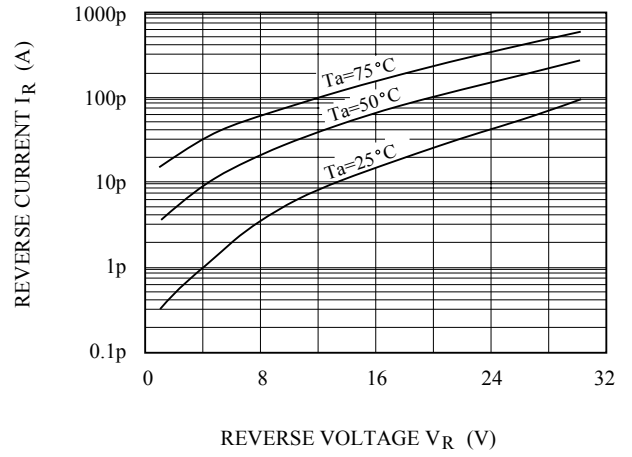


KDV269

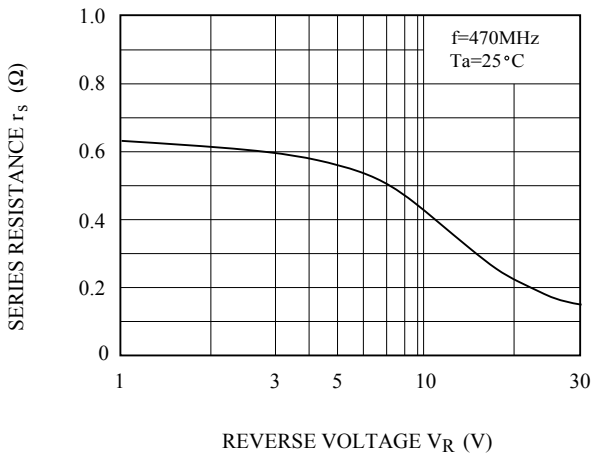
$C_V - V_R$



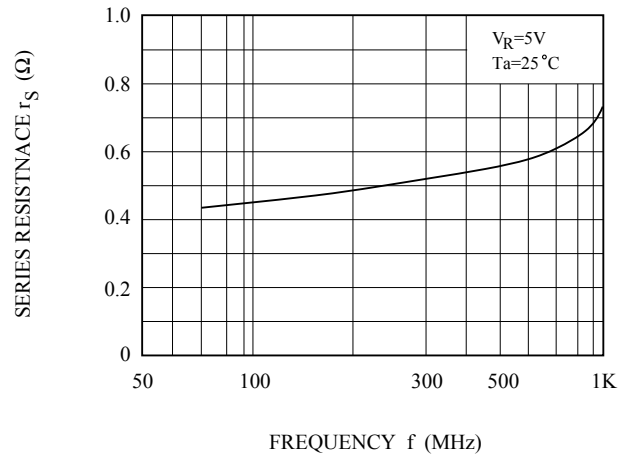
$I_R - V_R$



$r_s - V_R$



$r_s - f$



$\delta C - T_a$

