

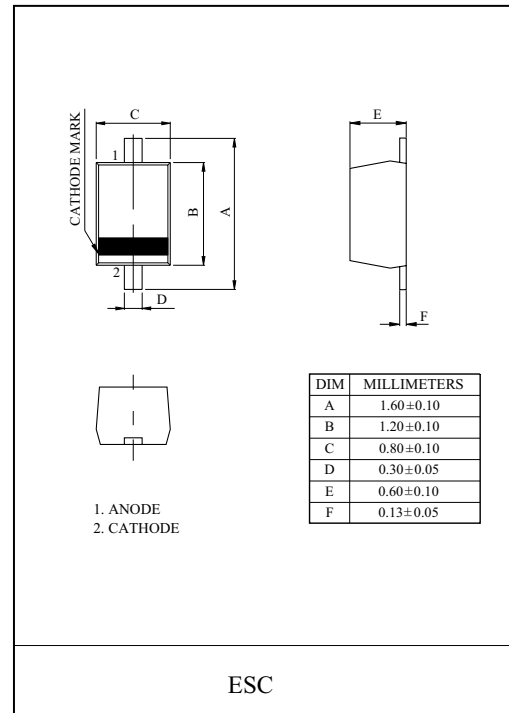
CATV TUNING.

#### FEATURES

- High Capacitance Ratio :  $C_{2V}/C_{25V}=11.0(\text{Min.})$
- Low Series Resistance :  $r_s=0.75 \Omega(\text{Max.})$
- 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
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 125	°C



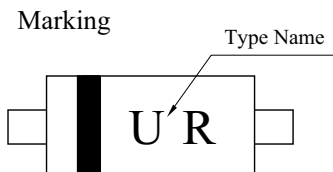
#### ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse 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	-	-
Series Resistance	$r_s$	$V_R=5V, f=470MHz$	-	-	0.75	$\Omega$

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

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

$$(V_R=2\sim 25V)$$



# KDV269E

