

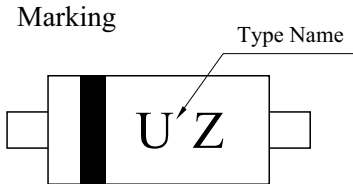
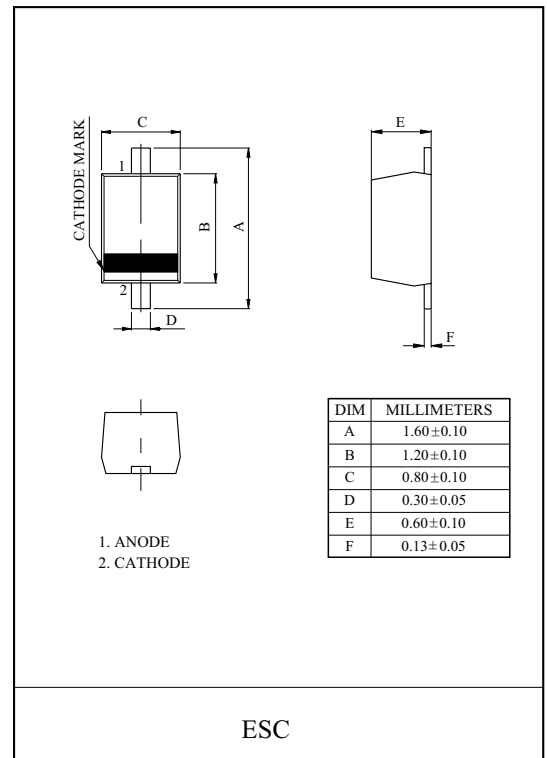
TV TUNING.

FEATURES

- High Capacitance Ratio : $C_{2V}/C_{25V}=6.3$ (Typ.)
- Low Series Resistance : $r_s=0.57 \Omega$ (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	32	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}	$V_R=2V, f=1MHz$	14.15	-	15.75	pF
Capacitance	C_{25V}	$V_R=25V, f=1MHz$	1.96	-	2.25	pF
Capacitance Ratio	C_{2V}/C_{25V}		6.3	-	-	-
Series Resistance	r_s	$V_R=5V, f=470MHz$	-	-	0.57	Ω

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

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

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

KDV214EA

