

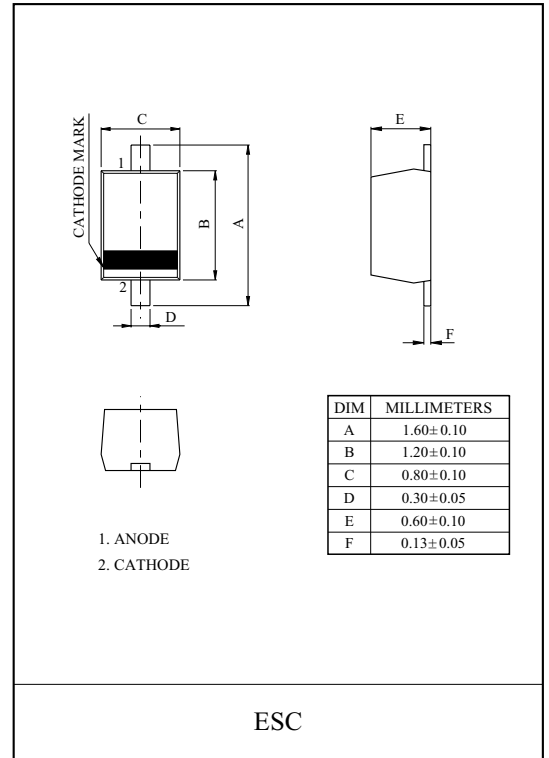
TV Tuning.

#### FEATURES

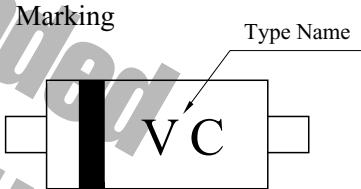
- High Capacitance Ratio :  $C_{2V}/C_{25V}=14.5(\text{Min.})$
- Low Series Resistance :  $r_s=1.1$  (Max.)
- Small Package : ESC.

#### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	32	V
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	



Not recommended for new design



#### ELECTRICAL CHARACTERISTICS (Ta=25 )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_{R1}$	$V_R=30V$	-	-	10	nA
	$I_{R2}$	$V_R=30V, T_a=60$	-	-	100	
Capacitance	$C_{2V}$	$V_R=2V, f=1MHz$	39.5	-	47.4	pF
	$C_{25V}$	$V_R=25V, f=1MHz$	2.60	-	3.03	
Capacitance Ratio	$C_{2V}/C_{25V}$	-	14.5	-	-	
Series Resistance	$r_s$	$V_R=5V, f=470MHz$	-	-	1.1	

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

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

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

# KDV300E

