

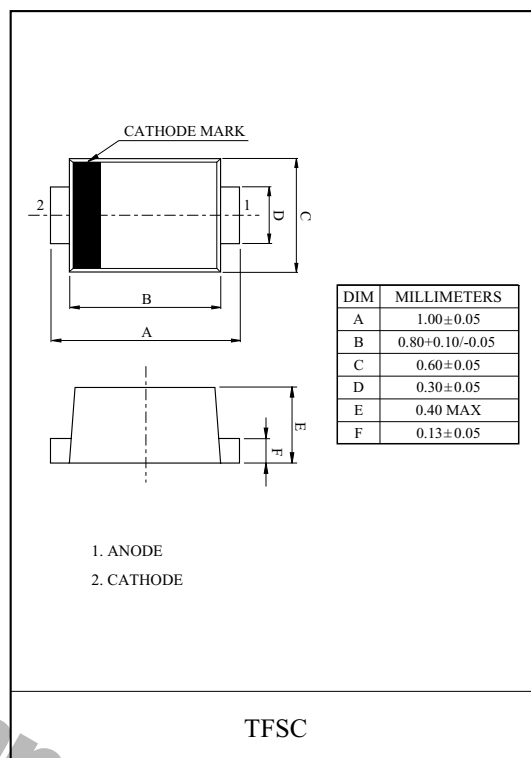
VCO FOR UHF/VHF BAND.

FEATURES

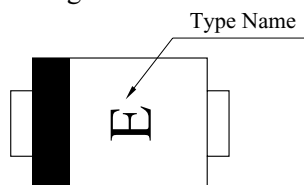
- High Capacitance Ratio : $C_{1V}/C_{4V}=2.8$ (Min.)
- Low Series Resistance. : $r_s=0.5\Omega$ (max.)
- Good C-V linearity.

MAXIMUM RATING ($T_a=25^\circ\text{C}$)

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



Marking

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	I_{R1}	$V_R=15V$	-	-	10	nA
	I_{R2}	$V_R=15V, T_a=60^\circ\text{C}$	-	-	100	
Capacitance	C_{1V}	$V_R=1V, f=1\text{MHz}$	15.5	-	17.0	pF
	C_{4V}	$V_R=4V, f=1\text{MHz}$	5.0	-	6.0	
Capacitance Ratio	C_{1V}/C_{4V}	-	2.8	-	-	-
Series Resistance	r_s	$V_R=1V, f=470\text{MHz}$	-	-	0.5	Ω

KDV350F

