

SEMICONDUCTOR TECHNICAL DATA

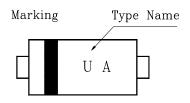
KDV154

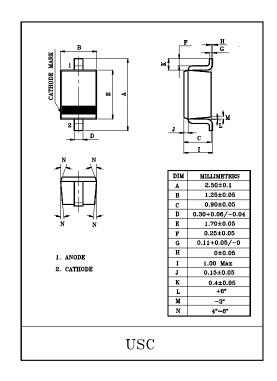
VARIABLE CAPACITANCE DIODE SILICON EPITAXIAL PLANAR DIODE

TV VHF,UHF TUNER AFC VCO FOR UHF BAND RADIO.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$ m V_R$	20	V
Junction Temperature	T _j	150	$^{\circ}$
Storage Temperature Range	$T_{\rm stg}$	-55~150	${\mathbb C}$





ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$ m V_R$	$I_{ m R}$ =1 μ A	20	-	-	V
Reverse Current	$ m I_R$	V_R =20 V	-	-	10	nA
Capacitance	C _{2V} /C _{10V}	V _R =2V, f=1MHz	13.90	-	16.10	pF
Capacitance	C_{10V}	V _R =10V, f=1MHz	4.5	-	6.0	pF
Capacitance Ratio	C _{2V/10V}		2.5	-	-	
Series Resistance	$r_{\rm S}$	V_R =5 V , f=470 M Hz	_	_	0.6	Ω

CLASSIPICATION OF CAPACITANCE GRADE

GRADE	CAPACITANCE(C _{2V})	UNIT	
A	13.90~15.00		
В	14.50~15.40		
С	14.90~15.90	pF	
D	15.40~16.10		

