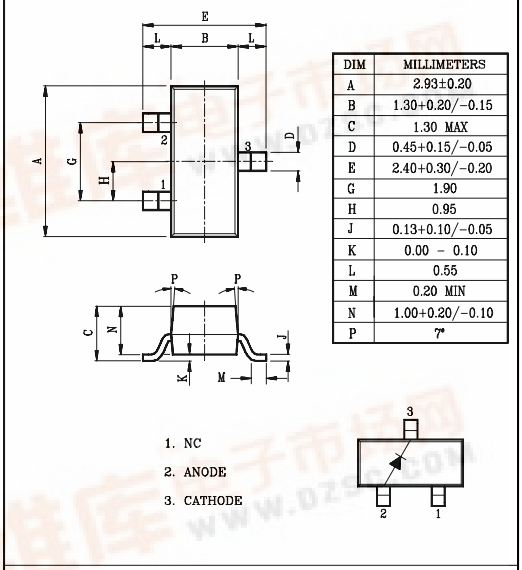
查询KDV153供应商 捷多邦，专业PCB打样工厂，24小时加急出货

KEC
KOREA ELECTRONICS CO.,LTD.

SEMICONDUCTOR
TECHNICAL DATA

KDV153
VARIABLE CAPACITANCE DIODE
SILICON EPITAXIAL PLANAR DIODE

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



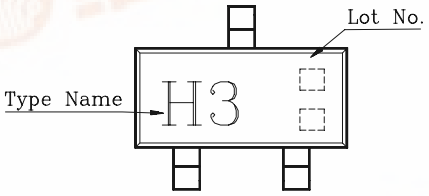
DIM	MILLIMETERS
A	2.93±0.20
B	1.30+0.20/−0.15
C	1.30 MAX
D	0.45+0.15/−0.05
E	2.40+0.30/−0.20
G	1.90
H	0.95
J	0.13+0.10/−0.05
K	0.00 − 0.10
L	0.55
M	0.20 MIN
N	1.00+0.20/−0.10
P	7°

SOT−23

MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	20	V
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	−55～150	℃

Marking



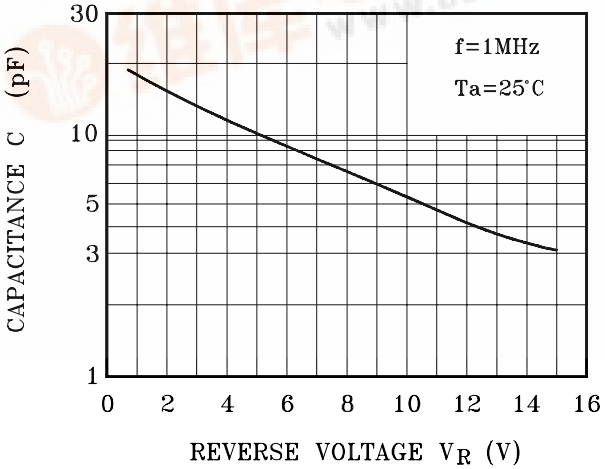
ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	I_R=1μA	20	-	-	V
Reverse Current	I_R	V_R=20V	-	-	10	nA
Capacitance	C_{2V}	V_R=2V, f=1MHz	14.16	-	16.25	pF
Capacitance	C_{10V}	V_R=10V, f=1MHz	4.5	-	6.0	pF
Capacitance Ratio	C_{2V}/C_{10V}		2.5	-	-	
Series Resistance	r_S	V_R=5V, f=470MHz	-	-	0.6	Ω

CLASSIPICATION OF CAPACITANCE GRADE

GRADE	CAPACITANCE (C_2V)	UNIT
A	14.16～15.00	pF
B	14.50～15.40	
C	14.90～15.90	
D	15.40～16.25	

C − V_R



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