

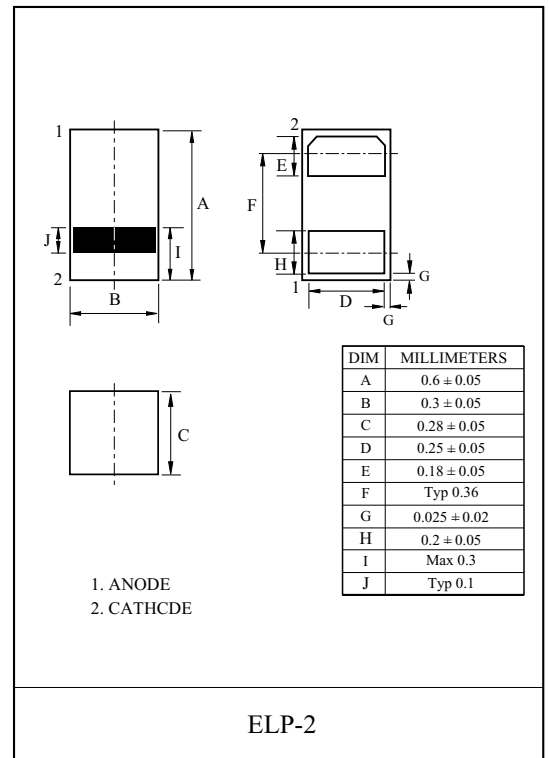
For antenna switches in mobile applications.

FEATURES

- Low Operation Current.
- Small Package .

MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Forward Current	I_F	100	mA
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_{stg}	-55 ~ 175	°C



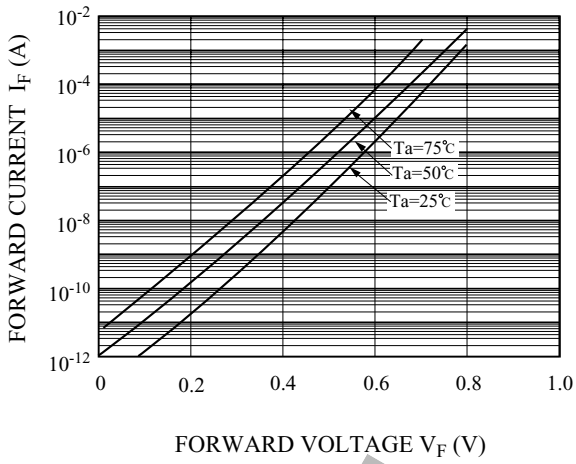
ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	I_R	$V_R = 30V$	-	-	0.1	μA
Forward Voltage	V_F	$I_F = 2mA$	-	-	0.9	V
Total Capacitance	C_T	$V_R = 1V, f = 1MHz$	-	-	0.43	pF
Series Resistance	r_s	$I_F = 2mA, f = 100MHz$	-	-	1.8	Ω
ESD-Capability *	-	C = 200pF, R = 0Ω, Both forward and reverse direction 1 pulse	100	-	-	V

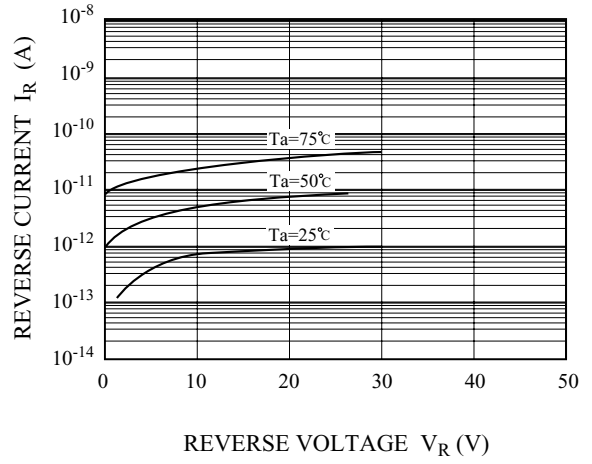
* Failure criterion : $I_R > 100nA$ at $V_R = 30V$.

KDV143EL

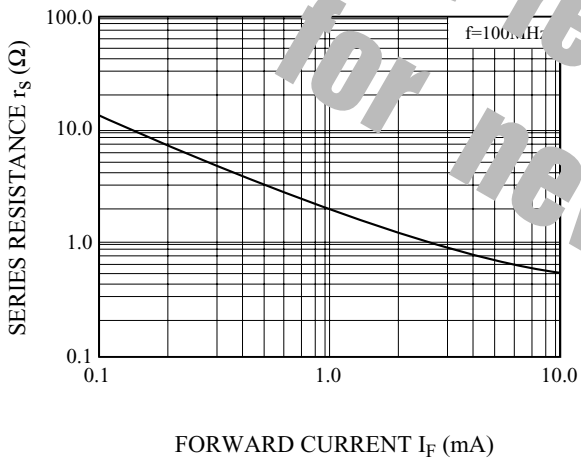
$I_F - V_F$



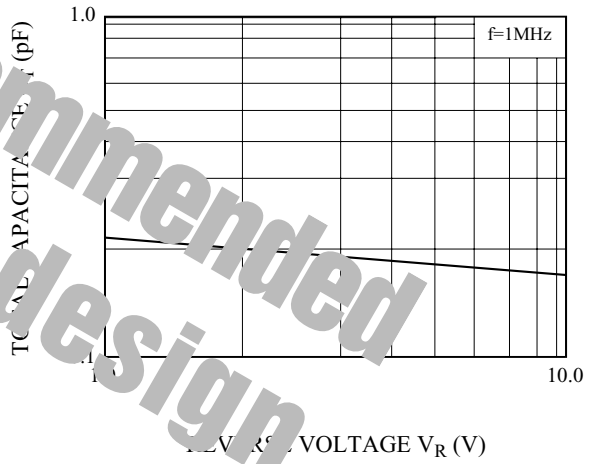
$I_R - V_R$



$r_s - I_F$



$C_T - V_R$



Not recommended for new design