

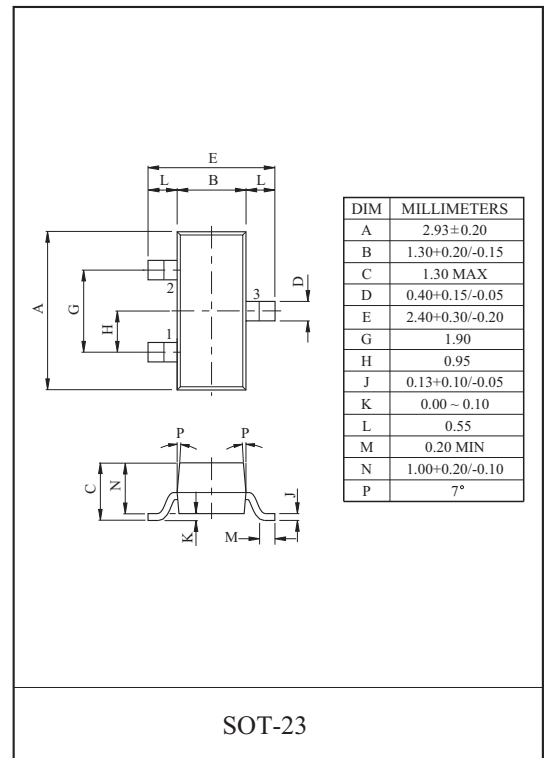
FOR HIGH SPEED SWITCHING.

FEATURES

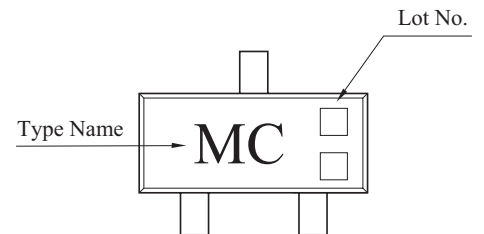
- Low reverse current, low capacitance.

MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_R	4	V
Reverse Voltage	V_R	4	V
Forward Current	I_F	130	mA
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	



Marking

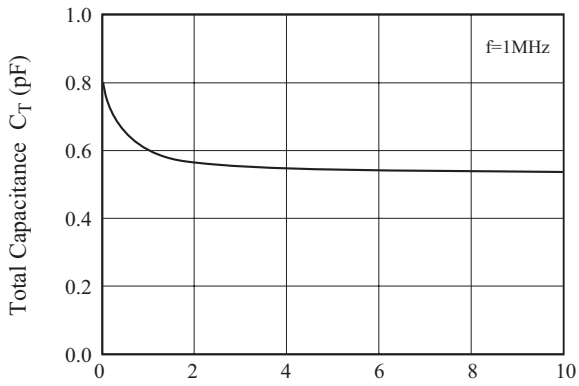


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=0.1mA$	0.2	-	0.35	V
		$I_F=1mA$	0.25	-	0.45	
		$I_F=10mA$	0.35	-	0.6	
Reverse Current	I_R	$V_R=3V$	-	-	0.25	μA
		$V_R=3V, T_A=60$	-	-	1.25	
Total Capacitance	C_T	$V_R=0V, f=1MHz$	0.4	-	0.75	pF
Series Resistance	r_S	$I_F=5mA, f=10kHz$	-	-	15	

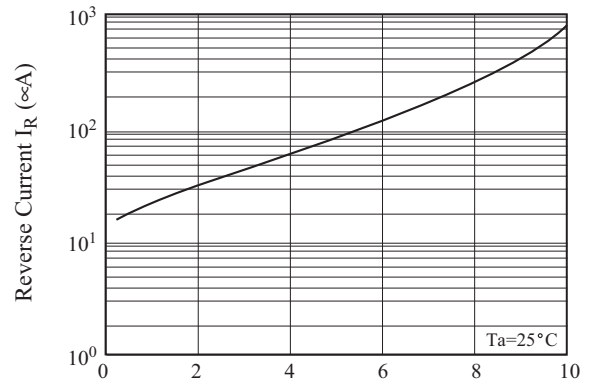
KDR582S

$C_T - V_R$



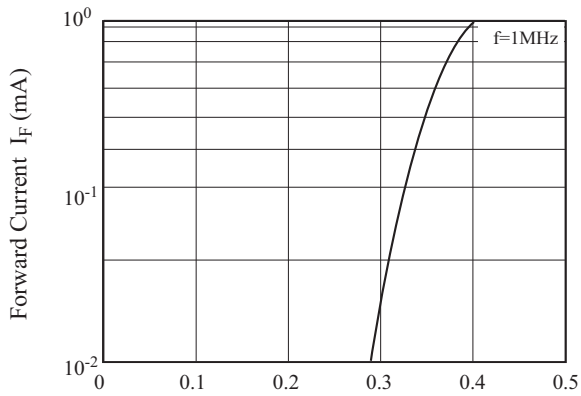
Reverse Voltage V_R (V)

$I_R - V_R$



Reverse Current V_R (V)

$V_F - I_F$



Forward Voltage V_F (V)