

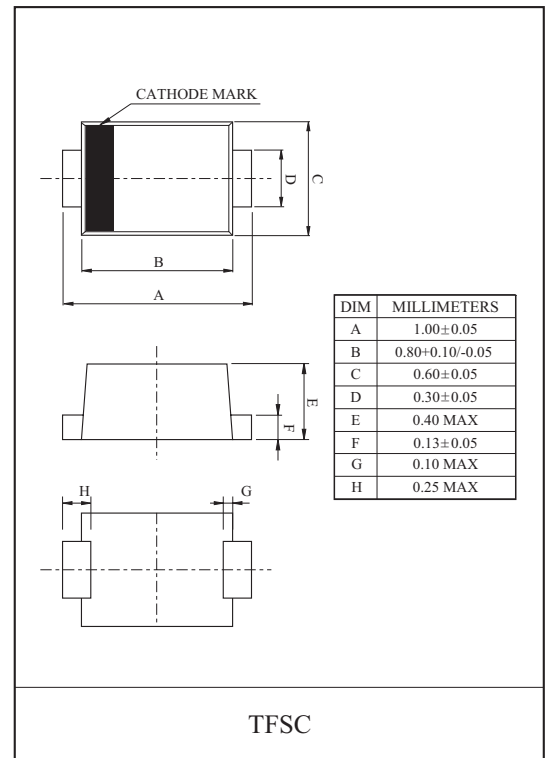
FOR HIGH SPEED SWITCHING.

FEATURES

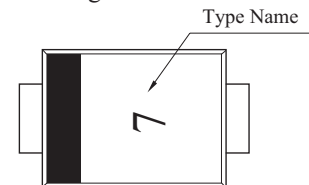
- Low reverse current, Low capacitance.
- Small Package : TFSC.
- Suffix U : Qualified to AEC-Q101.
ex) KDR552F-RTK/HU

MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	25	V
Reverse Voltage	V_R	25	V
Average Forward Current	I_O	50	mA
Non-repetitive Peak Surge Current (10mS)	I_{FSM}	200	mA
Junction Temperature	T_j	125	
Storage Temperature Range	T_{stg}	-55 125	



Marking

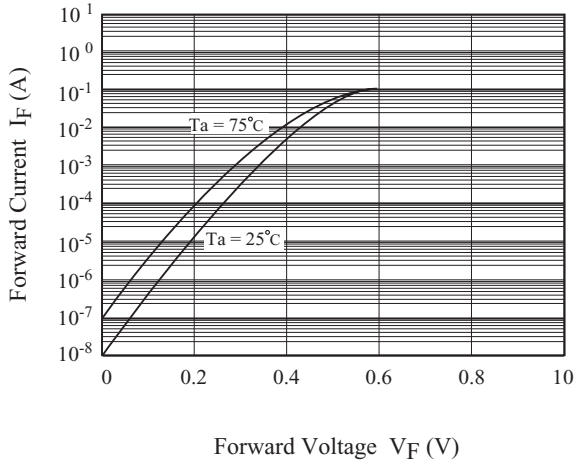


ELECTRICAL CHARACTERISTICS (Ta=25)

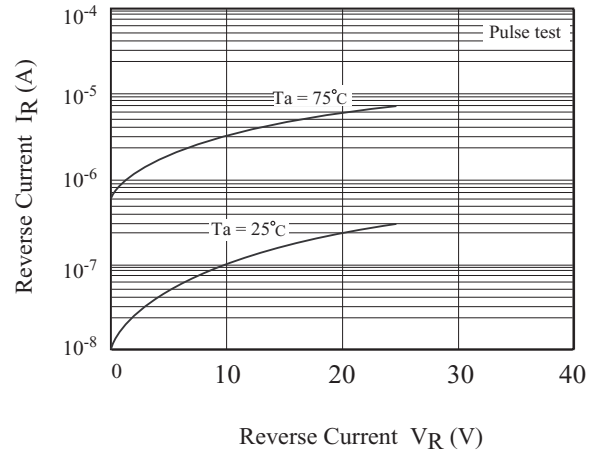
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=1mA$	-	-	0.33	V
		$I_F=5mA$	-	-	0.38	
Reverse Current	I_R	$V_R=20V$	-	-	0.45	μA
Total Capacitance	C_T	$V_R=1V, f=1MHz$	-	-	2.80	pF

KDR552F

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

