

KEC

SEMICONDUCTOR
TECHNICAL DATA

KDR393

SCHOTTKY BARRIER TYPE DIODE

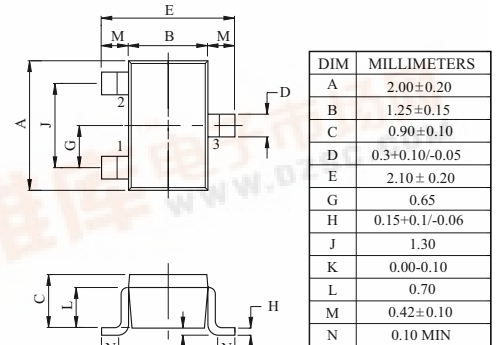
Low Voltage High Speed Switching.

FEATURES

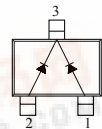
- Low Forward Voltage : $V_F=0.60V$ (Max.)
- Low Reverse Current : $I_R=5\mu A$ (Max.)

MAXIMUM RATING ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Reverse Voltage	V_R	40	V
Average Forward Current	I_O	0.1	A
Non-repetitive peak surge current (10mA)	I_{FSM}	1	A
Junction Temperature	T_j	125	$^\circ C$
Storage Temperature	T_{stg}	-55 ~ 125	$^\circ C$



1. ANODE 1
2. ANODE 2
3. CATHODE



USM

Marking

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=10mA$	-	0.36	-	V
		$I_F=100mA$	-	0.51	0.60	
Reverse Current	I_R	$V_R=10V$	-	-	5	μA
Total Capacitance	C_T	$V_R=0V, f=1MHz$	-	20	25	pF

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