

# AC SOLID STATE RELAY

**KD20C10AX**  
**KD20C15AX**  
**KD20C25AX**  
**KD20C40AX**  
**KD20C50AX**  
**KD20C75AX**  
**KD20C90AX**  
**KD20C100AX**

# KD SERIES

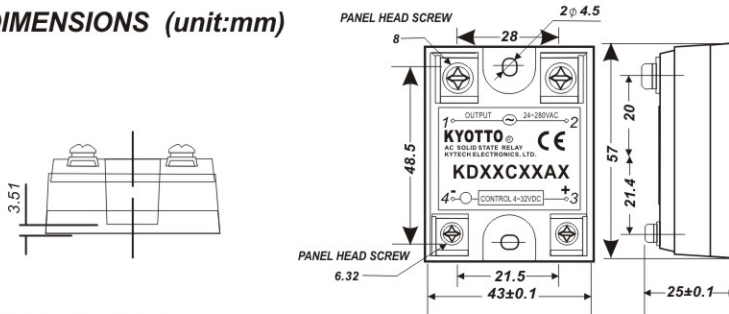


## SPECIFICATIONS

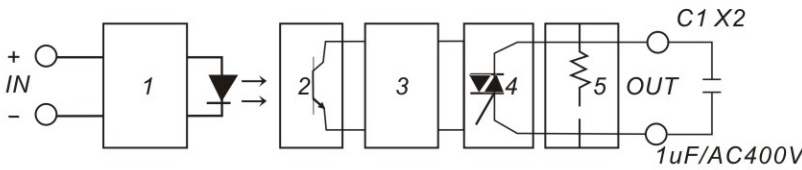
MODEL NO.	CONTROL VOLTAGE RANGE	MUST TURN OFF VOLTAGE	INPUT IMPEDANCE	MAX LOAD CURRENT	LOAD VOLTAGE RANGE	MIN BLOCKING VOLTAGE	MAX OFF-STATE LEAKAGE	FREQUENCY RANGE	MAX 1-CYCLE PEAK SURGE
KD20C10AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	10A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	100A
KD20C15AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	15A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	160A
KD20C25AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	25A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	260A
KD20C40AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	40A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	400A
KD20C50AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	50A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	500 A
KD20C75AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	75A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	750 A
KD20C90AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	90A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	900 A
KD20C100AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	100A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	1000A

MODEL NO.	MAX OFF STATE dv/dt	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	DIELECTRIC STRENGTH INPUT-OUTPUT	DIELECTRIC STRENGTH INPUT-OUTPUT-CASE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-OUT	WEIGHT (g)
KD20C10AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	95 g
KD20C15AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	95 g
KD20C25AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C40AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C50AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C75AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C90AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C100AX	200 V/ $\mu$ SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g

## OUTLINE DIMENSIONS (unit:mm)



## EQUIVALENT CIRCUIT



- 1.INPUT CIRCUIT
- 2.PHOTO DETECTOR
- 3.ZERO-CROSS CIRCUIT
- 4.OUTPUT CIRCUIT
- 5.PROTECTED CIRCUIT

## CHARACTERISTIC CURVES

