

## AC SOLID STATE RELAY

**KD20C10AX**  
**KD20C15AX**  
**KD20C25AX**  
**KD20C40AX**  
**KD20C50AX**  
**KD20C75AX**  
**KD20C90AX**  
**KD20C100AX**  
**KD20C125AX**  
**KD20R125AX**

## KD SERIES

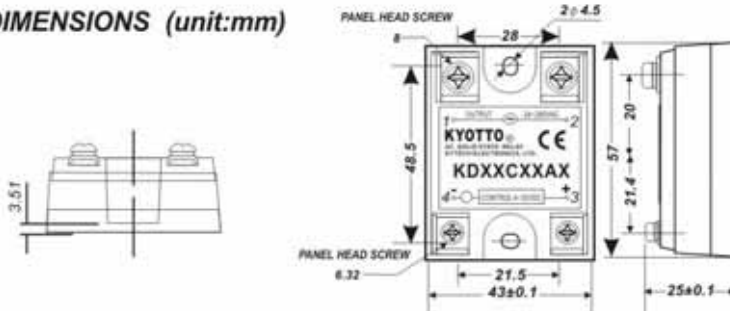


### SPECIFICATIONS

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 1/2 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	500A
KD20C75AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	75A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	750A
KD20C90AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	90A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	900A
KD20C100AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	100A	24-280VAC	600VAC	LESS 7.5 mA	47-70HZ	1000A
KD20C125AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	125A	24-280VAC	1200VAC	LESS 15 mA	47-70HZ	1250A
KD20R125AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	125A	24-280VAC	1200VAC	LESS 15 mA	47-70HZ	1250A

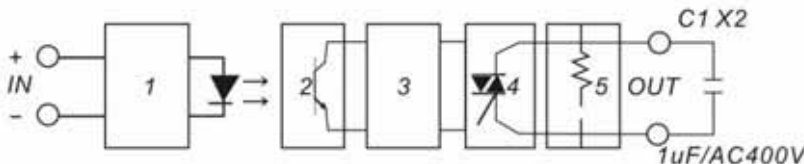
MODEL NO.	MAX OFF-STATE dV/dt	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	HELVOLY STRENGTH (VOLT-SECS)	HELVOLY STRENGTH (VOLT-SECS)	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-CUT	WEIGHT (g)
KD20C10AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	95 g
KD20C15AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	95 g
KD20C25AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C40AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C50AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C75AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C90AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C100AX	200 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100 g
KD20C125AX	1000 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	110 g
KD20R125AX	1000 V/μ SEC	2.0VACrms	10 <sup>9</sup> ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	110 g

### OUTLINE DIMENSIONS (unit:mm)



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### EQUIVALENT CIRCUIT



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

### CHARACTERISTIC CURVES

