

# DC SOLID STATE RELAY

**KG1005D**  
**KG1010D**  
**KG1025D**  
**KG1040D**  
**KG1050D**  
**KG1075D**

## KG SERIES

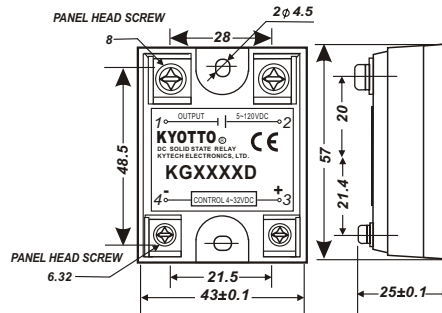


### SPECIFICATIONS

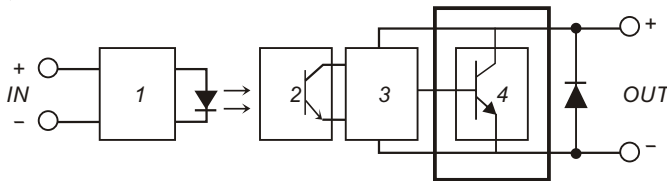
MODEL NO.	CONTROL VOLTAGE RANGE	MUST TURN OFF VOLTAGE	INPUT IMPEDANCE	MAX LOAD CURRENT	LOAD VOLTAGE RANGE	MIN BLOCKING VOLTAGE	MAX OFF-STATE LEAKAGE	FREQUENCY RANGE	MAX 1-CYCLE PEAK SURGE
KG1005D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	5A	5-120VDC	200VDC	LESS 3 mA	47-70HZ	25A
KG1010D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	10A	5-120VDC	200VDC	LESS 5 mA	47-70HZ	50A
<b>KG1025D</b>	<b>3 TO 32 VDC</b>	<b>MAX 1.0 VDC</b>	<b>1.5 Kohm</b>	<b>25A</b>	<b>5-120VDC</b>	<b>200VDC</b>	<b>LESS 7 mA</b>	<b>47-70HZ</b>	<b>100A</b>
KG1040D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	40A	5-120VDC	200VDC	LESS 7 mA	47-70HZ	200A
KG1050D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	50A	5-120VDC	200VDC	LESS 7 mA	47-70HZ	250A
KG1075D	3 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	75A	5-120VDC	200VDC	LESS 7 mA	47-70HZ	375A

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)
KG1005D	200 V/ $\mu$ SEC	2.0Vrms	$10^9$ ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS 2 mSec	LESS 15 PF	95 g
KG1010D	200 V/ $\mu$ SEC	2.0Vrms	$10^9$ ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS 2 mSec	LESS 15 PF	95 g
<b>KG1025D</b>	<b>200 V/<math>\mu</math> SEC</b>	<b>2.0Vrms</b>	<b><math>10^9</math> ohm</b>	<b>4000 VACrms</b>	<b>2500 VACrms</b>	<b>LESS 2 mSec</b>	<b>LESS 2 mSec</b>	<b>LESS 15 PF</b>	<b>95 g</b>
KG1040D	200 V/ $\mu$ SEC	2.0Vrms	$10^9$ ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS 2 mSec	LESS 15 PF	95 g
KG1050D	200 V/ $\mu$ SEC	2.0Vrms	$10^9$ ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS 2 mSec	LESS 15 PF	95 g
KG1075D	200 V/ $\mu$ SEC	2.0Vrms	$10^8$ ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS 2 mSec	LESS 15 PF	95g

### OUTLINE DIMENSIONS (unit:mm)



### EQUIVALENT CIRCUIT



- 1.INPUT CIRCUIT
- 2.PHOTO DETECTOR
- 3.AMPLIFIER
- 4.PROTECTED CIRCUIT

### CHARACTERISTIC CURVES

