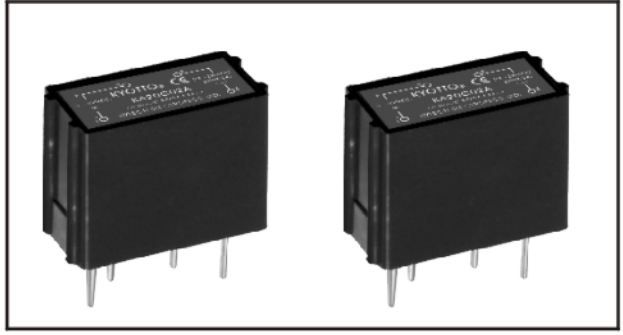
AC SOLID STATE RELAY

KA20C02A
KA20C04A

KA SERIES



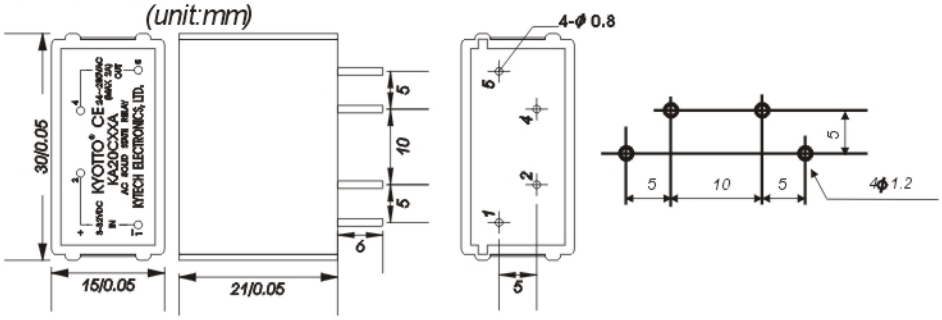
SPECIFICATIONS

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
KA20C02A	3 TO 32VDC	MAX1.0VDC	1.5Kohm	2A	24~280VAC	600VAC	LESS 3 mA	47~70HZ	30A
KA20C04A	3 TO 32VDC	MAX1.0VDC	1.5Kohm	4A	24~280VAC	600VAC	LESS 3 mA	47~70HZ	30A

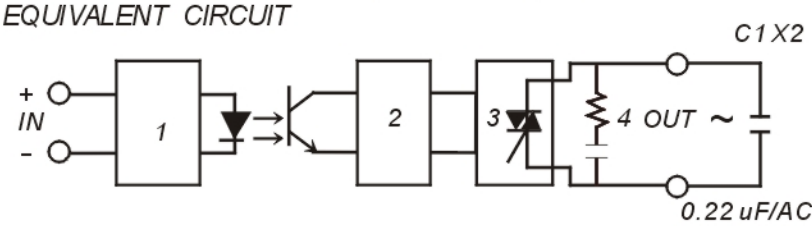
MODEL NO.	MAX OFF STATE dv/dt	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	DIELECTRIC STRENGTH INPUT-OUTPUT	DIELECTRIC STRENGTH INPUT-OUTPUT CASE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-OUT	WEIGHT (g)
KA20C02A	100 V/μ SEC	1.5VACrms	10^{8}ohm	2500VACrms	——	LESS2mSEC	LESS1/2AC cycle	LESS 15 PF	15 g
KA20C04A	100 V/μ SEC	1.5VACrms	10^{8}ohm	2500VACrms	——	LESS2mSEC	LESS1/2AC cycle	LESS 15 PF	15 g

OUTLINE DIMENSIONS

(unit:mm)

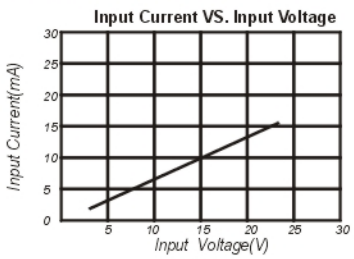


EQUIVALENT CIRCUIT



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

CHARACTERISTIC CURVES



Attention:

In order to be in compliance with the EMC Directive an additional X2 capacitor at the output is requried if the SSR is operated as single component. In case the SSR is incorporated in an appliance the existing EMI filter may provide the required EMI suppresion. The X2 capacitor must be placed as close as possible to the output temminats. See also above.