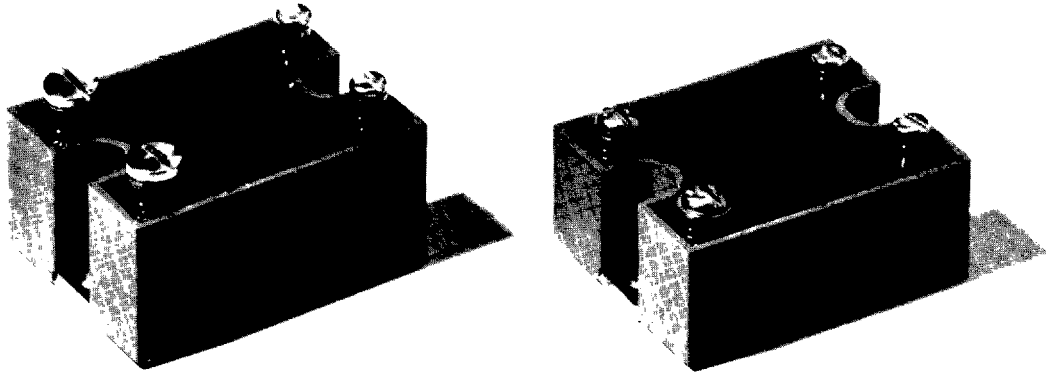
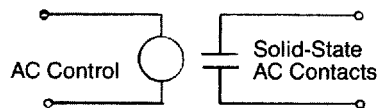


# SOLID-STATE RELAYS



NATIONAL PART NO.	A2410Z	A4810Z	A2425Z	A4825Z	A2440Z	A4840Z	A2475Z	A4875Z	A24110Z	A48110Z
Zero Cross switching										
I <sub>RMS</sub> Current rating (RMS Amps)	10	10	25	25	40	40	75	75	110	110
Voltage range (RMS volts)	48-280	180-530	48-280	180-530	48-280	180-530	48-280	180-530	48-280	180-530
Transient voltage (PK volts)	500	1200	500	1200	500	1200	500	1200	500	1200
I <sub>TSM</sub> Peak one cycle surge current (PK Amps)	150	150	300	300	650	650	1000	1000	2000	2000
I <sup>2</sup> t For fusing at 8.3 msec (A <sup>2</sup> sec)	95	95	375	375	1750	1750	4150	4150	16000	16000
V <sub>TM</sub> Max peak on-state volts @ peak amps, T <sub>J</sub> = 25°C	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.5	1.5
dv/dt Min. rate of voltage rise (V/μsec)	200	200	200	200	200	200	200	200	200	200
Control voltage range (AC volts)	280	280	280	280	280	280	280	280	280	280
Control input impedance (OHMS)	24k	24k	24k	24k	24k	24k	24k	24k	24k	24k
Turn-On Min. control (volts)	90	90	90	90	90	90	90	90	90	90
Turn-Off Max control (volts)	10	10	10	10	10	10	10	10	10	10
Isolation voltage (RMS)	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
R <sub>θJC</sub> Thermal impedance Junction-to-case (°C/W)	.9	.9	.7	.7	.5	.5	.2	.2	.18	.18
T <sub>J</sub> Max junction operating temperature °C	125	125	125	125	125	125	125	125	125	125
Ambient temperature range °C	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80	-30 to +80
Package Outline Number	RO-1	RO-1	RO-1	RO-1	RO-1	RO-1	RO-3	RO-3	RO-3	RO-3

Circuit



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