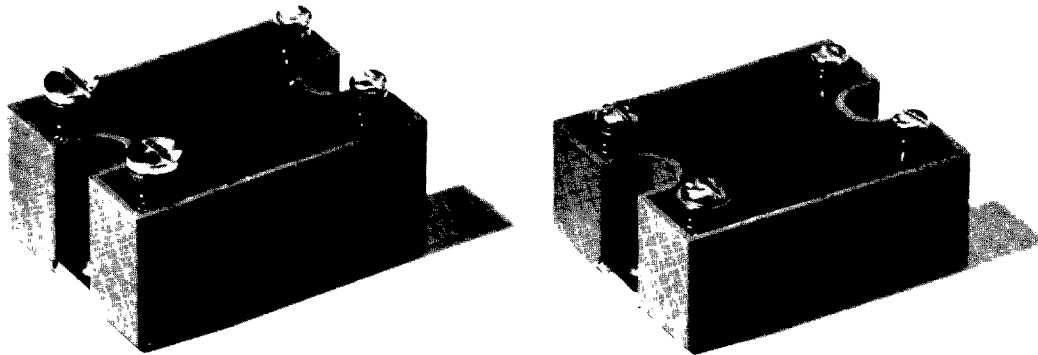


SOLID-STATE RELAYS



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

Circuit

