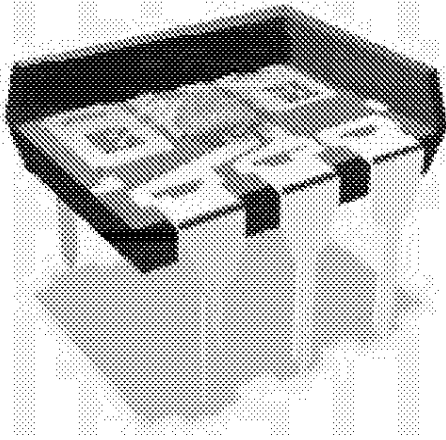


Single Pole OptoMOS® Relays



CP Clare's Single Pole OptoMOS® Relays devices are an integral part of Clare's growing family of optical solid state switching devices. These single output devices offer a variety of solutions within the telecommunication, industrial control, security and instrumentation industries. As replacements for 1-Form-A (normally open output) and 1-Form-B (normally closed output) mechanical relays, these devices utilize discrete semiconductor components as opposed to conventional coils and contacts. Unlike their electromechanical counterparts, there are no moving parts within these devices. Therefore, they can offer faster, more reliable, bounce-free switching in a much more compact through hole or surface mount package. Optical isolation ensures extremely high I/O isolation. Current limiting for added protection is available on some models.

Single Pole OptoMOS® Relays

Part Number	LCA100	LCA110	XCA170	LCA120	LCA125	LCA126	LCA127	LCA710	LCB110	LCB120	LCB126	LCB127	Units
Package Type	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	-
Contact Form	1-Form-A	1-Form-A	1-Form-A	1-Form-A	1-Form-A	1-Form-A	1-Form-A	1-Form-A	1-Form-B	1-Form-B	1-Form-B	1-Form-B	-
Load Voltage (Peak)	350	350	350	250	300	250	250	60	350	250	250	250	V
Load Current (Continuous)	120	120	100	170	170	170	200	1000	120	170	170	200	mA
On-Resistance @ Rated Load Current	25	35	50	20	16	15	10	0.5	35	20	15	10	Ω
Input Control Current (I _c)	5	2	5	5	5	5	5	10	5	5	5	5	mA

Part Number	OMA160	PLA110	PLA140	PLA160	Units
Package Type	6 Pin DIP	6 Pin DIP	6 Pin DIP	6 Pin DIP	-
Contact Form	1-Form-A	1-Form-A	1-Form-A	1-Form-A	-
Load Voltage (Peak)	250	400	400	300	V
Load Current (Continuous)	50	150	250	50	mA
On-Resistance @ Rated Load Current	100	22	8	100	Ω
Input Control Current (I _c)	10	5	5	10	mA

ORDERING INFORMATION

