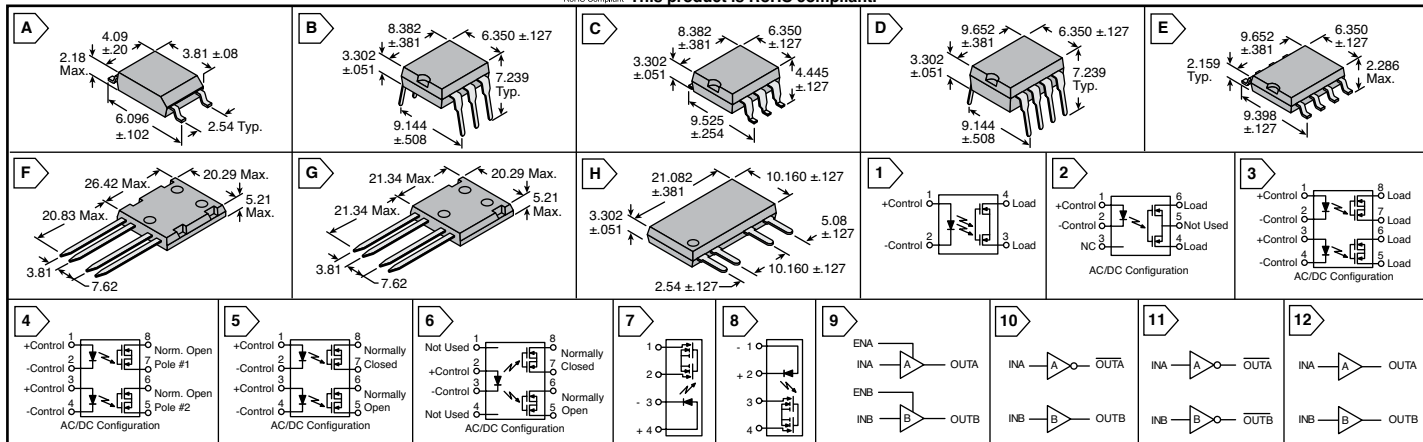


# CLARE OptoMOS, Power Solid State Relays and MOSFETS



RoHS Compliant This product is RoHS compliant.



## CLARE OPTICALLY ISOLATED SOLID STATE RELAYS

DIMENSIONS: mm

- Features:**
- Low drive current
  - High reliability
  - Optically isolated I/O
  - Operating Temp: -40°C to 85°C
  - Machine washable, wave solderable
  - AC/DC switching
- Applications:**
- Telecommunications
  - Datacommunications
  - Electronic switching
  - Industrial controls
  - Medical equipment
  - Security
  - Instrumentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Load Voltage	Current Handling	On Resistance	Isolation Voltage	Input Control Current	Turn On/ Turn Off	Standard Package	Price Each		
											1	25	50
<b>Single Pole Normally-Open: 1-Form-A</b>													
849-CPC1008N	CPC1008N	A	1	100	150mA	8Ω	1500Vrms	2mA	2/0.5ms	4 Pin SOP	1.39	1.23	1.12
849-CPC1030N	CPC1030N	A	1	350	120mA	30Ω	1500Vrms	2mA	2/1ms	4 Pin SOP	1.85	1.63	1.48
849-CPC1035N	CPC1035N	A	1	350	100mA	35Ω	1500Vrms	2mA	2/1ms	4 Pin SOP	1.61	1.42	1.29
849-CPC1230N	CPC1230N	A	1	350	120mA	30Ω	1500Vrms	2mA	2/1ms	4 Pin SOP	1.57	1.39	1.26
849-LCA110	LCA110	B	2	350	120mA	35Ω	3750Vrms	2mA	3/3ms	6 Pin DIP	1.90	1.68	1.53
849-LCA110S	LCA110S	C	2	350	120mA	35Ω	3750Vrms	2mA	3/3ms	6 Pin SMD	1.90	1.67	1.52
849-LCA120	LCA120	B	2	250	170mA	20Ω	3750Vrms	5mA	5/5ms	6 Pin DIP	2.84	2.50	2.28
849-LCA710	LCA710	B	2	60	1000mA	0.5Ω	3750Vrms	10mA	2.5/0.25ms	6 Pin DIP	5.28	4.65	4.24
849-LCA710S	LCA710S	C	2	60	1000mA	0.5Ω	3750Vrms	10mA	2.5/0.25ms	6 Pin SMD	5.28	4.65	4.24
849-PLA110	PLA110	B	2	400	150mA	22Ω	3750Vrms	5mA	1/0.25ms	6 Pin DIP	3.46	3.04	2.77
849-PLA140	PLA140	B	2	400	250mA	8Ω	3750Vrms	5mA	3/1ms	6 Pin DIP	4.34	3.82	3.48
849-PLA140S	PLA140S	C	2	400	250mA	8Ω	3750Vrms	5mA	3/1ms	6 Pin SMD	4.37	3.85	3.50
849-PLA160	PLA160	B	2	300	50mA	100Ω	3750Vrms	10mA	0.05/0.05ms	6 Pin DIP	3.51	3.09	2.82
849-LCA182	LCA182	B	2	350	120mA	35Ω	3750Vrms	0.25mA	3/3ms	6 Pin DIP	2.30	2.03	1.85
<b>Single Pole Normally Closed: 1-Form-B</b>													
849-PC1135N	CPC1135N	A	1	350	120mA	35Ω	1500Vrms	1mA	2/2ms	4 Pin SOP	2.14	1.89	1.72
849-LCB110	LCB110	B	2	350	120mA	35Ω	3750Vrms	5mA	3/3ms	6 Pin DIP	2.68	2.36	2.15
849-LCB120	LCB120	B	2	250	170mA	20Ω	3750Vrms	5mA	5/5ms	6 Pin DIP	3.35	2.95	2.69
<b>Dual Pole Normally-Open: 2-Form-A</b>													
849-PAA140	PAA140	D	3	400	250mA	8Ω	3750Vrms	5mA	1.5/0.25ms	8 Pin DIP	7.24	6.37	5.81
849-LAA110P	LAA110P	E	3	350	120mA	25Ω	3750Vrms	5mA	5/5ms	8 Pin SMD	4.37	3.85	3.50
849-LAA127P	LAA127P	E	3	250	200mA	10Ω	3750Vrms	5mA	5/5ms	8 Pin SMD	6.30	5.55	5.05
849-OAA160	OAA160	D	4	25	50mA	100Ω	3750Vrms	3mA	0.125/0.125ms	8 Pin DIP	5.82	5.12	4.67
849-PAA132	PAA132	D	3	50	600mA	1Ω	3750Vrms	5mA	5/2ms	8 Pin DIP	7.77	6.84	6.24
849-PAA191	PAA191	D	3	400	250mA	8Ω	5000Vrms	5mA	3/1ms	8 Pin DIP	8.44	7.43	6.77
849-LAA710	LAA710	D	3	60	1000mA	0.5Ω	3750Vrms	10mA	2.5/0.25ms	8 Pin DIP	11.10	9.77	8.90
<b>Dual Combination: Form-A &amp; B</b>													
849-LBA110	LBA110	D	5	350	120mA	35Ω	3750Vrms	5mA	3/3ms	8 Pin DIP	4.72	4.15	3.78
849-LBA120	LBA120	D	5	250	170mA	20Ω	3750Vrms	5mA	5/5ms	8 Pin DIP	5.87	5.17	4.71
<b>Dual Pole Normally Closed: 2-Form-B</b>													
849-LBB110	LBB110	D	3	350	120mA	35Ω	3750Vrms	5mA	3/3ms	8 Pin DIP	5.09	4.48	4.09
849-XBB170	XBB170	D	3	350	100mA	50Ω	3750Vrms	5mA	5/5ms	8 Pin DIP	4.77	4.20	3.83
<b>Common Input: 1-Form-C</b>													
849-LCC110	LCC110	D	6	350	120mA	35Ω	3750Vrms	8mA	4/4ms	8 Pin DIP	4.23	3.73	3.40
849-LCC110P	LCC110P	E	6	350	120mA	35Ω	3750Vrms	8mA	4/4ms	8 Pin SMD	4.26	3.75	3.42
849-LCC120	LCC120	D	6	250	170mA	20Ω	3750Vrms	10mA	5/5ms	8 Pin DIP	5.41	4.77	4.34

## CLARE POWER SOLID STATE RELAYS

- Features:**
- Handles loads up to 10A (rms)
  - Voltage Ratings up to 1000V
  - Switching speed (on/off): 20/5(ms)
  - Isolation Voltage - 2500Vrms
  - Input Control Current - 10mA
- Applications:**
- Consumer Appliances
  - Test and Measurement equipment
  - Industrial controls
  - Medical Equipment
  - Robotics/Motor controls

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Function	Breakdown Voltage (V)	Current Handling	On Resistance	Standard Package	Price Each		
									1	25	50
849-CPC1979J	CPC1979J	F	7	1 Form A	600	5 A(rms)	0.75Ω	iso PLUS-264	10.99	9.67	8.81
849-CPC1978J	CPC1978J	G	7	1 Form A	800	2.5 A(rms)	2.3Ω	I4-PAC	8.13	7.36	6.70
849-CPC1906Y	CPC1906Y	H	8	1 Form A	60	10.0 A(rms)	0.01Ω	Power SIP	6.38	5.62	5.12

## CLARE 4-AMPERE DUAL LOW-SIDE ULTRAFast MOSFET DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Package Type	Price Each		
					1	10	100
849-IXDD604D2TR	IXDD604D2TR	-	9	8-Lead DFN	1.28	1.23	1.18
849-IXDD604PI	IXDD604PI	-	9	8-Lead DIP	1.28	1.23	1.18
849-IXDD604SI	IXDD604SI	-	9	8-Lead SOIC with Exposed, Grounded Metal Back	2.33	2.25	2.16
849-IXDD604SIA	IXDD604SIA	-	9	8-Lead SOIC	1.28	1.23	1.18
849-IXDF604PI	IXDF604PI	-	10	8-Lead DIP	1.28	1.23	1.18
849-IXDF604SI	IXDF604SI	-	10	8-Lead SOIC with Exposed, Grounded Metal Back	2.33	2.25	2.16
849-IXDF604SIA	IXDF604SIA	-	10	8-Lead SOIC	1.28	1.23	1.18
849-IXDI604PI	IXDI604PI	-	11	8-Lead DIP	1.28	1.23	1.18
849-IXDI604SI	IXDI604SI	-	11	8-Lead SOIC with Exposed, Grounded Metal Back	2.33	2.25	2.16
849-IXDI604SIA	IXDI604SIA	-	11	8-Lead SOIC	1.28	1.23	1.18
849-IXDN604PI	IXDN604PI	-	12	8-Lead DIP	1.28	1.23	1.18
849-IXDN604SI	IXDN604SI	-	12	8-Lead SOIC with Exposed, Grounded Metal Back	2.33	2.25	2.16
849-IXDN604SIA	IXDN604SIA	-	12	8-Lead SOIC	1.28	1.23	1.18

Clare Solid State Relays