

### Features

- Radial leaded ceramic PTC resettable fuse
- Lead-free terminals
- Wide range of switching temperatures
- RoHS compliant\*

### Applications

Used for overload, overcurrent, overtemperature, or short circuit protection in:

- Transformers
- Control panels
- Battery chargers
- Home appliances
- Motors
- Power supplies

## OPL -RC Series - Overload CPTC Resettable Fuses

### Electrical Characteristics (for $V_{max}$ from 15 V to 80 V)

Model	Max. Voltage $V_{max}$	Rated Voltage $V_N$	Rated Resistance $R_N@25^\circ C$	Curie Temperature $T_C$	Hold Current $I_H@25^\circ C$	Trip Current $I_T@25^\circ C$	Max. Current $I_{max}$	Residual Current $I_r$	Min. Resistance $R_{min}$
OPL061R0MX515	15	12	1	150	650	1250	2.5	150	0.55
OPL200R3HX620	20	12	0.30	160	2100	4150	10	240	0.2
OPL160R5HX620	20	12	0.45	160	1500	3050	8	170	0.3
OPL120R8HX620	20	12	0.80	160	950	1900	5.5	120	0.5
OPL101R2HX620	20	12	1.2	160	700	1450	4.3	105	0.7
OPL081R8HX620	20	12	1.8	160	550	1100	3	85	1.1
OPL05446HX620	20	12	4.6	160	300	600	1	65	2.7
OPL03130HX620	20	12	13	160	150	300	0.7	40	7.8
OPL200R3HX230	30	12/24	0.30	120	1800	3600	10	170	0.2
OPL160R5HX230	30	12/24	0.5	120	1300	2600	8	115	0.3
OPL120R8HX230	30	12/24	0.80	120	850	1700	5.5	80	0.5
OPL101R2HX230	30	12/24	1.2	120	600	1200	4.3	70	0.7
OPL081R8HX230	30	12/24	1.8	120	450	900	3	60	1.1
OPL054R6HX230	30	12/24	4.6	120	150	500	1	45	2.7
OPL03130HX230	30	12/24	13	120	120	240	0.7	25	7.8
OPL161R0MX254	54	42	1	120	750	1300	8	50	0.7
OPL121R8MX254	54	42	1.8	120	430	770	6	40	1.2
OPL102R7MX254	54	42	2.7	120	320	560	5	30	1.8
OPL084R2MX254	54	42	4.2	120	230	410	4	20	2.9
OPL05100MX254	54	42	10	120	140	240	2	15	6.8
OPL201R2HX380	80	63	1.2	130	1000	1500	10	60	0.8
OPL161R6HP880	80	63	1.6	80	340	700	10	35	1.1
OPL161R6HX280	80	63	1.6	120	700	1400	10	50	1.1
OPL162R2HX380	80	63	2.2	130	700	1100	8	50	1.5
OPL162R3HP880	80	63	2.3	80	245	500	8	25	1.5
OPL162R3HX280	80	63	2.3	120	450	900	8	40	1.5
OPL123R3HX380	80	63	3.3	130	450	690	5.5	30	2.2
OPL132R7HP880	80	63	3.7	80	170	350	5.5	20	2.4
OPL123R7HX280	80	63	3.7	120	320	640	5.5	30	2.4
OPL104R9HX380	80	63	4.9	130	320	500	4.3	25	3.2
OPL105R6HP880	80	63	5.6	80	130	265	4.3	15	3.7
OPL105R6HX280	80	63	5.6	120	250	500	4.3	25	3.7
OPL088R0HX380	80	63	8	130	250	380	3	20	5.2
OPL089R4HP880	80	63	9.4	80	90	190	3	11	6.2
OPL089R4HP280	80	63	9.4	120	150	300	3	20	6.2
OPL05200HX380	80	63	20	130	150	240	1	18	13.2
OPL05250HP880	80	63	25	80	50	110	1	8	16.5
OPL05250HX280	80	63	25	120	85	170	1	16	16.5
OPL03550HP880	80	63	55	80	30	60	0.7	5	36.3
OPL03550HX280	80	63	55	120	50	100	0.7	12	36.3
OPL03620HX380	80	63	62	130	85	130	0.7	15	40.9

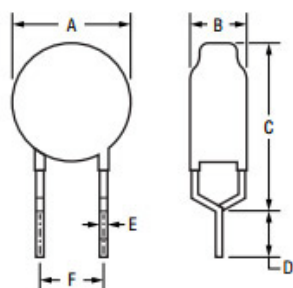
## OPL-RC Series – Overload CPTC Resettable Fuses

Electrical Characteristics (for  $V_{max}$  from 160 V to 1,000 V)

Model	Max. Voltage $V_{max}$	Rated Voltage $V_N$	Rated Resistance $R_N@25\text{ }^\circ\text{C}$	Curie Temperature $T_C$	Hold Current $I_H@25\text{ }^\circ\text{C}$	Trip Current $I_T@25\text{ }^\circ\text{C}$	Max. Current $I_{max}$	Residual Current $I_r$	Min. Resistance $R_{min}$
OPL203R7HX6B6	160	110	3.7	160	525	1050	7	24	2.2
OPL166R0HX6B6	160	110	6	160	400	800	4.1	18	3.6
OPL12100HX6B6	160	110	10	160	250	500	2.2	16	6
OPL10150HX6B6	160	110	15	160	180	360	1.5	13	7.8
OPL08250HX6B6	160	110	25	160	125	250	1	11	13.1
OPL05700HX6B6	160	110	70	160	70	140	0.4	8	36.7
OPL03151HX6B6	160	110	150	160	35	70	0.2	6	78.7
OPL203R5HX3BB	265	230	3.5	130	650	980	7	20	2.3
OPL203R7HX2BB	265	230	3.7	120	460	920	7	20	2.4
OPL165R0HX3BB	265	230	5	130	450	680	4.1	15	3.3
OPL166R0HP8BB	265	230	6	80	170	350	4.1	10	3.6
OPL166R0HX2BB	265	230	6	120	330	660	4.1	15	3.8
OPL129R0HX3BB	265	230	9	130	330	500	2.2	13	5.9
OPL12100HP8BB	265	230	10	80	110	230	2.2	8	6
OPL12100HX2BB	265	230	10	120	200	400	2.2	13	6.4
OPL10130HX3BB	265	230	13	130	200	320	1.5	10	8.6
OPL10150HP8BB	265	230	15	80	90	180	1.5	6	7.8
OPL10150HX2BB	265	230	15	120	140	280	1.5	10	9
OPL08250HP8BB	265	230	25	80	60	130	1	5	13.1
OPL08250HX2BB	265	230	25	120	100	200	1	9	15
OPL08250HX3BB	265	230	25	130	140	230	1	9	16.5
OPL08350HX2BB	265	230	35	120	80	160	1	9	21
OPL08450HX2BB	265	230	45	120	70	140	1	9	27
OPL05500HX3BB	265	230	50	130	100	150	0.4	6	33
OPL08550HX2BB	265	230	55	120	60	125	1	9	31
OPL08650HX2BB	265	230	65	120	55	110	1	9	36
OPL05700HP8BB	265	230	70	80	30	70	0.4	4	36.7
OPL05700HX2BB	265	230	70	120	55	110	0.4	6	29
OPL05121HX2BB	265	230	120	120	35	70	0.4	5	67
OPL03151HP8BB	265	230	150	80	15	40	0.2	3	78.7
OPL03151HX2BB	265	230	150	120	30	60	0.2	5	84
OPL03161HX3BB	265	230	160	130	55	90	0.2	5	106
OPL11250HX2E2	420	380	25	120	123	245	2	4	13
OPL11500HX2E2	420	380	50	120	87	173	2	3.5	26
OPL07700HX2E2	420	380	70	120	64	127	1.4	3.5	45

# OPL-RC Series – Overload CPTC Resettable Fuses

## Product Dimensions (for V<sub>max</sub> from 15 V to 54 V)

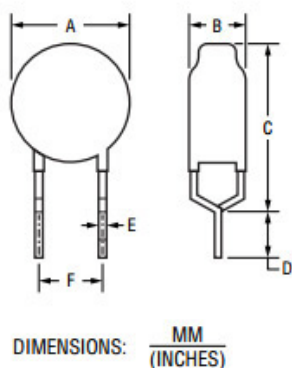


DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

Model	A Max.	B Max.	C Max.	D Min.	E Dia. Nom.	F Nom.	Bulk Packing Quantity (pcs./bag)
OPL061R0MX515	$\frac{6.8}{(.268)}$	$\frac{5}{(.197)}$	$\frac{10.3}{(.406)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	480
OPL200R3HX620	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL160R5HX620	$\frac{17.5}{(.690)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL120R8HX620	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL101R2HX620	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL081R8HX620	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05446HX620	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL03130HX620	$\frac{4}{(.157)}$	$\frac{3.5}{(.138)}$	$\frac{7.5}{(.295)}$	$\frac{25}{(.984)}$	$\frac{0.5}{(.020)}$	$\frac{5.0}{(.197)}$	400
OPL200R3HX230	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL160R5HX230	$\frac{17.5}{(.690)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL120R8HX230	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL101R2HX230	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL081R8HX230	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL054R6HX230	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL03130HX230	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{25}{(.984)}$	$\frac{0.5}{(.020)}$	$\frac{5.0}{(.197)}$	400
OPL161R0MX254	$\frac{17.5}{(.690)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL121R8MX254	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL102R7MX254	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL084R2MX254	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05100MX254	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{25}{(.984)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350

# OPL-RC Series – Overload CPTC Resettable Fuses

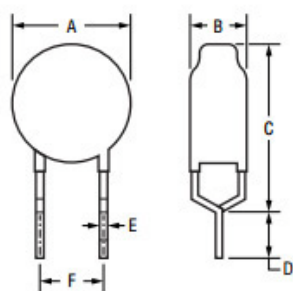
## Product Dimensions (for $V_{max}$ 80 V)



Model	A Max.	B Max.	C Max.	D Min.	E Dia. Nom.	F Nom.	Bulk Packing Quantity (pcs./bag)
OPL201R2HX380	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL161R6HP880	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL161R6HX280	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL162R2HX380	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL162R3HP880	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL162R3HX280	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL123R3HX380	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL132R7HP880	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL123R7HX280	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL104R9HX380	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL105R6HP880	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL105R6HX280	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL088R0HX380	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL089R4HP880	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL089R4HP280	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05200HX380	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL05250HP880	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL05250HX280	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL03550HP880	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400
OPL03550HX280	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400
OPL03620HX380	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400

# OPL-RC Series – Overload CPTC Resettable Fuses

## Product Dimensions (for V<sub>max</sub> 160 V to 265 V)

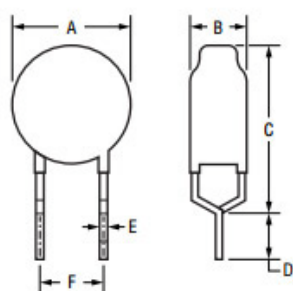


DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

Model	A Max.	B Max.	C Max.	D Min.	E Dia. Nom.	F Nom.	Bulk Packing Quantity (pcs./bag)
OPL203R7HX6B6	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL166R0HX6B6	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL12100HX6B6	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL10150HX6B6	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL08250HX6B6	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05700HX6B6	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL03151HX6B6	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400
OPL203R5HX3BB	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL203R7HX2BB	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL165R0HX3BB	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL166R0HP8BB	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL166R0HX2BB	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL129R0HX3BB	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL12100HP8BB	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL12100HX2BB	$\frac{13.5}{(.531)}$	$\frac{5}{(.197)}$	$\frac{17.0}{(.669)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100
OPL10130HX3BB	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL10150HP8BB	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL10150HX2BB	$\frac{11}{(.433)}$	$\frac{5}{(.197)}$	$\frac{14.5}{(.571)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL08250HP8BB	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL08250HX2BB	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL08250HX3BB	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL08350HX2BB	$\frac{22}{(.866)}$	$\frac{5}{(.197)}$	$\frac{25.5}{(1.004)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	50
OPL08450HX2BB	$\frac{17.5}{(.689)}$	$\frac{5}{(.197)}$	$\frac{21.0}{(.827)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	100

# OPL-RC Series – Overload CPTC Resettable Fuses

## Product Dimensions (for V<sub>max</sub> 265 V continued to 1 KV)



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

Model	A Max.	B Max.	C Max.	D Min.	E Dia. Nom.	F Nom.	Bulk Packing Quantity (pcs./bag)
OPL05500HX3BB	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL08550HX2BB	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL08650HX2BB	$\frac{9}{(.354)}$	$\frac{5}{(.197)}$	$\frac{12.5}{(.492)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05700HP8BB	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL05700HX2BB	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL05121HX2BB	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL03151HP8BB	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400
OPL03151HX2BB	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400
OPL03161HX3BB	$\frac{4}{(.157)}$	$\frac{5}{(.197)}$	$\frac{7.5}{(.295)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	400
OPL11250HX2E2	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL11500HX2E2	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL07700HX2E2	$\frac{8.5}{(.335)}$	$\frac{5}{(.197)}$	$\frac{12.0}{(.472)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL11800HX2E2	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL11121HX2E2	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL11151HX2E2	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05601HX2E2	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL11501HXBF5	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL07501HX2F5	$\frac{8.5}{(.335)}$	$\frac{5}{(.197)}$	$\frac{12.0}{(.472)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL07112HXBF5	$\frac{8.5}{(.335)}$	$\frac{5}{(.197)}$	$\frac{12.0}{(.472)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200
OPL05122HXBF5	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL05152HXBF5	$\frac{6.5}{(.256)}$	$\frac{5}{(.197)}$	$\frac{10.0}{(.394)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	350
OPL11752GX1K1	$\frac{12.5}{(.492)}$	$\frac{5}{(.197)}$	$\frac{16.0}{(.630)}$	$\frac{35}{(1.378)}$	$\frac{0.6}{(.024)}$	$\frac{5.0}{(.197)}$	200

# OPL-RC Series – Overload CPTC Resettable Fuses

## Test Procedures and Requirements

Test	Test Condition and Method	Standard	Requirement	
Tensile Strength of Lead Wire Terminal	Apply axial stress on the terminal lead of part gradually until 4.9 N and last for 10 s	IEC 60738-1	No visible damage   (R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	
Solderability	Solder bath temperature 235 ±3 °C, immersion time 2 ± 0.5 s	IEC 60738-1	At least 95 % of terminal electrode is covered by solder	
Resistance to Soldering Heat	Solder bath temperature 350 ±3 °C, immersion time 33.5 ± 0.5 s	IEC 60738-1	(R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	
Vibration	Frequency increase range: 10~55 Hz in 1 minute Amplitude: 0.75 mm Direction: X/Y mutually perpendicular directions Duration: 45 minutes	IEC 60738-1	No visible damage   (R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	
Shock	Acceleration: 100 m/s Pulse time: 11 ms Direction: X/Y mutually perpendicular directions Frequency: 60~80 times per minute Collision: 1000 times	IEC 60738-1	No visible damage   (R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	
Rapid Change of Temperature	The thermal shock conditions shown below shall be repeated 5 cycles		No visible damage   (R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	
	<b>Step</b>	<b>Temperature (°C)</b>		<b>Period (minutes)</b>
	1	-40 ±5		30 ±3
	2	Room temperature		2
	3	85 ±5		30 ±3
4	Room temperature	2		
Damp Heat, Steady State	40 ±2 °C, 90~95 %RH, 48 hrs	IEC 60738-1	(R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	
High Temperature	Put sample under 60 °C for 2 hours, Measure the value of its resistance	IEC 60738-1	No visible damage   (R2-R1) / R1   ≤20 % R1: resistance before test	
Low Temperature	Put sample under 0 °C for 2 hours, Measure the value of its resistance	IEC 60738-1	R2: resistance after test	
Endurance at Maximum Voltage	25 ±5 °C, $V_N$ , $I_t \leq I \leq I_{max}$ 1 minute on and 5 minutes off x 100 cycles	IEC 60738-1	No visible damage   (R2-R1) / R1   ≤20 % R1: resistance before test R2: resistance after test	