



Feature:

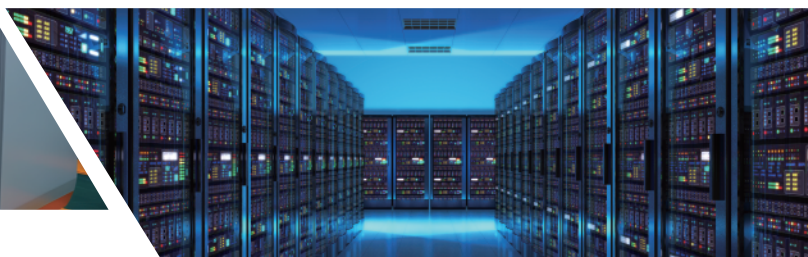
- PRM&PLD series is PAIRUI's compact size power converters. it features wide Ac input and at the same time accepts DC input voltage, low power consumption, high efficiency and high reliability. it offers good EMC performance, and meets the international UL62368 and EN62368 standards, and they are widely used in industrial, electric power, instrumentation, communication and civil applications.

Description:

PLD Series	Product name	Input voltage [VAC]	Output voltage [VDC]	Output current [mA] Max.	Efficiency [%] Typ.	Capacitive Load [uF] Max.	Size[mm]	Competitive model
	PLD03-3	85~305VAC 100~430VDC	3.3	900	70	3000	25.4*25.4*15	LD03-23B03R2
	PLD03-5		5	600	74	3000	25.4*25.4*15	LD03-23B05R2
	PLD03-9		9	333	78	1200	25.4*25.4*15	LD03-23B09R2
	PLD03-12		12	250	79	1200	25.4*25.4*15	LD03-23B12R2
	PLD03-15		15	200	79	680	25.4*25.4*15	LD03-23B15R2
	PLD03-24		24	125	79	220	25.4*25.4*15	LD03-23B24R2
	PLD05-3	85~305VAC 100~430VDC	3.3	1200	70	3000	25.4*25.4*15	LD05-23B03R2
	PLD05-5		5	1000	74	3000	25.4*25.4*15	LD05-23B05R2
	PLD05-9		9	555	78	1200	25.4*25.4*15	LD05-23B09R2
	PLD05-12		12	416	79	1200	25.4*25.4*15	LD05-23B12R2
	PLD05-15		15	333	79	680	25.4*25.4*15	LD05-23B15R2
	PLD05-24		24	208	79	220	25.4*25.4*15	LD05-23B24R2
	PLD10-3	85~305VAC 100~430VDC	3.3	2600	74	3000	40*25.4*21.5	LD10-23B03R2
	PLD10-5		5	2000	79	3000	40*25.4*21.5	LD10-23B05R2
	PLD10-9		9	1100	81	1000	40*25.4*21.5	LD10-23B09R2
	PLD10-12		12	830	84	820	40*25.4*21.5	LD10-23B12R2
	PLD10-15		15	660	84	680	40*25.4*21.5	LD10-23B15R2
	PLD10-24		24	410	85	220	40*25.4*21.5	LD10-23B24R2
	PLD15-3	85~305VAC 100~430VDC	3.3	4000	79	6600	45.7*25.4*21.5	LD15-23B03R2
	PLD15-5		5	3000	80	5000	45.7*25.4*21.5	LD15-23B05R2
	PLD15-9		9	1670	84	3000	45.7*25.4*21.5	LD15-23B09R2
	PLD15-12		12	1250	85	2000	45.7*25.4*21.5	LD15-23B12R2
	PLD15-15		15	1000	85	1500	45.7*25.4*21.5	LD15-23B15R2
	PLD15-24		24	625	87	680	45.7*25.4*21.5	LD15-23B24R2

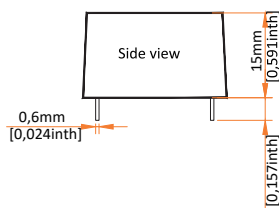
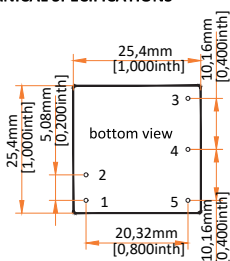
Description

PRM Series	Product name	Input voltage [VAC]	Output voltage [VDC]	Output current [mA] Max.	Efficiency [%] Typ.	Capacitive Load [uF] Max.	Size[mm]	Competitive model
	PRM5-3	85~305VAC 100~430VDC	3.3	1250	74	4000	45.7*25.4*21.5	IRM-05-3.3
	PRM5-5		5	1000	78	3000	45.7*25.4*21.5	IRM-05-5
	PRM5-9		9	555	79	1200	45.7*25.4*21.5	
	PRM5-12		12	416	80	1200	45.7*25.4*21.5	IRM-05-12
	PRM5-15		15	333	80	680	45.7*25.4*21.5	IRM-05-15
	PRM5-24		24	208	81	220	45.7*25.4*21.5	IRM-05-24
	PRM10-3	85~305VAC 100~430VDC	3.3	2500	78	6600	45.7*25.4*21.5	IRM-10-3.3
	PRM10-5		5	2000	82	5000	45.7*25.4*21.5	IRM-10-5
	PRM10-9		9	1111	84	3000	45.7*25.4*21.5	
	PRM10-12		12	833	85	2000	45.7*25.4*21.5	IRM-10-12
	PRM10-15		15	666	85	1500	45.7*25.4*21.5	IRM-10-15
	PRM10-24		24	416	85	680	45.7*25.4*21.5	IRM-10-24
	PRM15-3	85~305VAC 100~430VDC	3.3	4000	84	8000	52.4*27.2*24	IRM-15-3.3
	PRM15-5		5	3000	85	8000	52.4*27.2*24	IRM-15-5
	PRM15-9		9	1670	85	5400	52.4*27.2*24	
	PRM15-12		12	1250	86	4000	52.4*27.2*24	IRM-15-12
	PRM15-15		15	1000	87	3000	52.4*27.2*24	IRM-15-15
	PRM15-24		24	625	87	1000	52.4*27.2*24	IRM-15-24
	PRM20-3	85~305VAC 100~430VDC	3.3	4500	81	8000	52.4*27.2*24	IRM-20-3.3
	PRM20-5		5	4000	85	8000	52.4*27.2*24	IRM-20-5
	PRM20-9		9	2200	85	5400	52.4*27.2*24	
	PRM20-12		12	1670	86	4000	52.4*27.2*24	IRM-20-12
	PRM20-15		15	1330	87	3000	52.4*27.2*24	IRM-20-15
	PRM20-24		24	830	87	1000	52.4*27.2*24	IRM-20-24
	PRM30-3	85~305VAC 100~430VDC	3.3	6000	85	6600	69.5*39*24	
	PRM30-5		5	6000	86	6600	69.5*39*24	IRM-30-5
	PRM30-9		9	3400	88	4400	69.5*39*24	
	PRM30-12		12	2500	90	4400	69.5*39*24	IRM-30-12
	PRM30-15		15	2000	90	3300	69.5*39*24	IRM-30-15
	PRM30-24		24	1300	88	1000	69.5*39*24	IRM-30-24
	PRM30-48		48	625	90	470	69.5*39*24	IRM-30-48



PLD03,PLD05 Series, 3/5 Watt

MECHANICAL SPECIFICATIONS

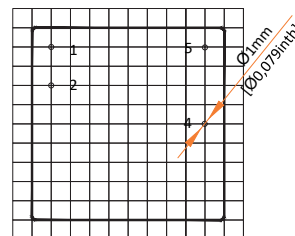


PIN DEFINITION

Pin #	Single Out
1	AC (N)
2	AC (L)
4	-VOUT
5	+VOUT

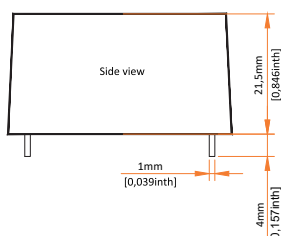
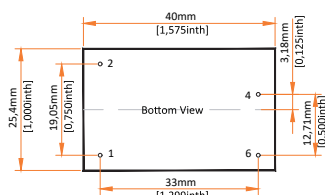
- * Unless otherwise specified unit: mm [inch]
- * General tolerance: ± 0.50 [± 0.020]
- * Pin thickness: ± 0.15 [± 0.006]
- * Pin distance: ± 0.50 [± 0.020]
- * Footprint grid 2.54 x 2.54 mm

PCB layout



PLD10 Series, 10 Watt

MECHANICAL SPECIFICATIONS

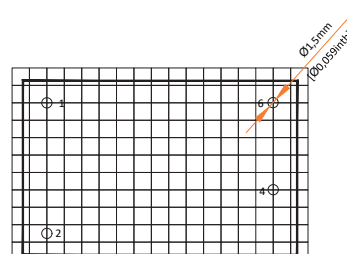


PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
4	+VOUT
6	-VOUT

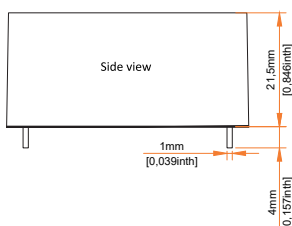
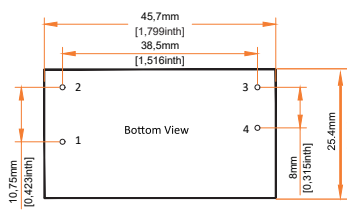
- * Unless otherwise specified unit: mm [inch]
- * General tolerance: ± 1.00 [± 0.020]
- * Pin thickness: ± 0.15 [± 0.006]
- * Pin distance: ± 0.50 [± 0.020]
- * Footprint grid 2.54 x 2.54 mm

PCB layout



PLD15 Series, 15 Watt

MECHANICAL SPECIFICATIONS

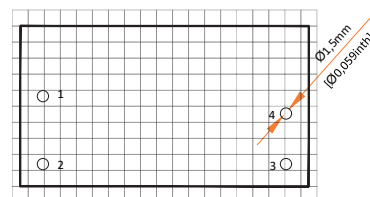


PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
3	-VOUT
4	+VOUT

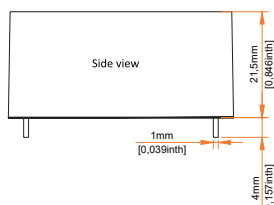
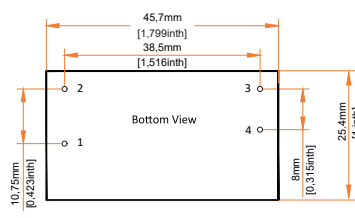
- * Unless otherwise specified unit: mm [inch]
- * General tolerance: ± 1.00 [± 0.040]
- * Pin thickness: ± 0.15 [± 0.006]
- * Pin distance: ± 0.50 [± 0.020]
- * Footprint grid 2.54 x 2.54 mm

PCB layout



PRM05 Series, 5 Watt

MECHANICAL SPECIFICATIONS

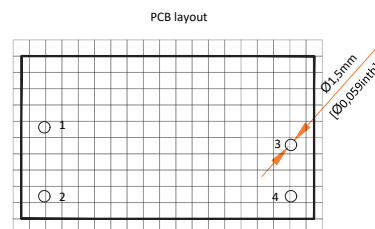


PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
3	+VOUT
4	-VOUT

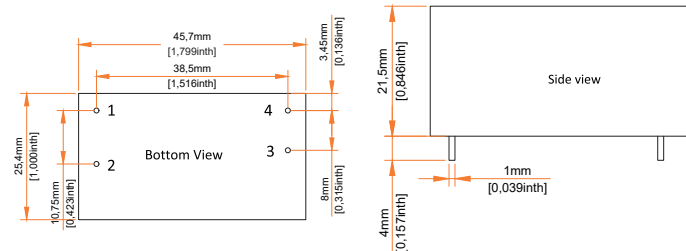
- * Unless otherwise specified unit: mm [inch]
- * General tolerance: ± 1.00 [± 0.040]
- * Pin thickness: ± 0.15 [± 0.006]
- * Pin distance: ± 0.50 [± 0.020]
- * Footprint grid 2.54 x 2.54 mm

PCB layout



PRM10 Series, 10 Watt

MECHANICAL SPECIFICATIONS

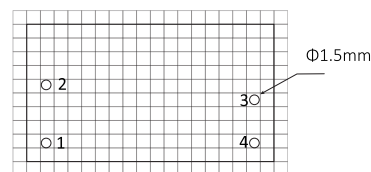


PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
3	+VOUT
4	-VOUT

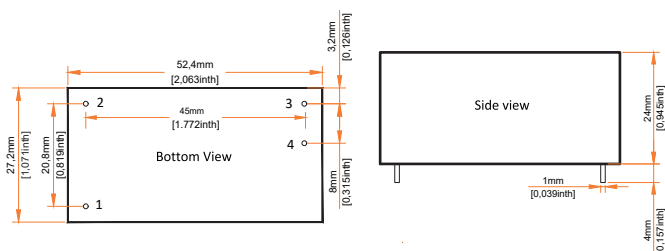
* Unless otherwise specified unit: mm [inch]
 * General tolerance: ± 1.00 [± 0.040]
 * Pin thickness: ± 0.15 [± 0.006]
 * Pin distance: ± 0.50 [± 0.020]
 * Footprint grid 2.54 x 2.54 mm

PCB layout



PRM15 Series, 15 Watt

MECHANICAL SPECIFICATIONS

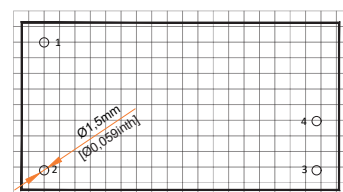


PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
3	-VOUT
4	+VOUT

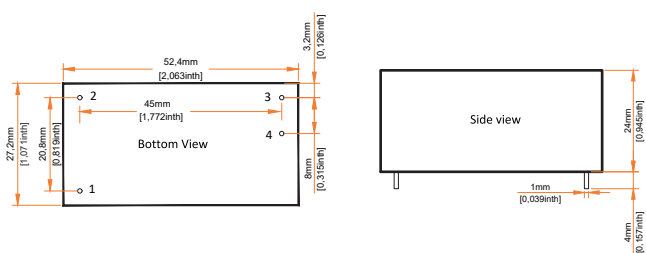
* Unless otherwise specified unit: mm [inch]
 * General tolerance: ± 1.00 [± 0.040]
 * Pin thickness: ± 0.15 [± 0.006]
 * Pin distance: ± 0.50 [± 0.020]
 * Footprint grid 2.54 x 2.54 mm

PCB layout



PRM20 Series, 20 Watt

MECHANICAL SPECIFICATIONS

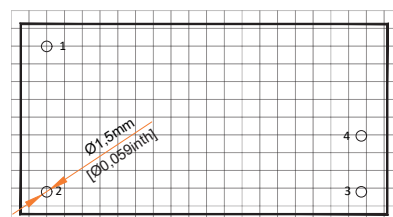


PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
3	-VOUT
4	+VOUT

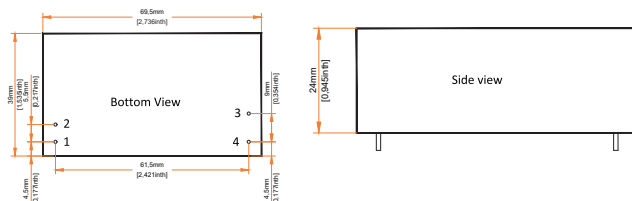
* Unless otherwise specified unit: mm [inch]
 * General tolerance: ± 1.00 [± 0.040]
 * Pin thickness: ± 0.15 [± 0.006]
 * Pin distance: ± 0.50 [± 0.020]
 * Footprint grid 2.54 x 2.54 mm

PCB layout



PRM30 Series, 30 Watt

MECHANICAL SPECIFICATIONS



PIN DEFINITION

Pin #	Single Out
1	AC (L)
2	AC (N)
3	+VOUT
4	-VOUT

* Unless otherwise specified unit: mm [inch]
 * General tolerance: ± 1.00 [± 0.040]
 * Pin thickness: ± 0.15 [± 0.006]
 * Pin distance: ± 0.50 [± 0.020]
 * Footprint grid 2.54 x 2.54 mm

PCB layout

