

Power Modules

Product Selector



DC/DC Converters

3W / 0.5A DIL 24

	PKV	3110 PI	9-36	3.3	0.5	1.65	73	• 1500 V isolation • MTBF 0.65 Mhrs Size LxWxH: 1.25 x 0.80 x 0.42 In 32 x 20.3 x 10.7 mm
		3211 PI	"	5	0.5	2.5	82	
		3313 PI	"	12	0.25	3	82	
		3315 PI	"	15	0.20	3	82	
		3222 PI	"	±5	0.25	2.5	82	
		3321 PI	"	±12	0.125	3	82	
		3325 PI	"	±15	0.100	3	80	
		5110 PI	18-72	3.3	0.5	1.65	73	
		5211 PI	"	5	0.5	2.5	82	
		5313 PI	"	12	0.25	3	82	
		5315 PI	"	15	0.20	3	82	
		5222 PI	"	±5	0.25	2.5	82	
		5321 PI	"	±12	0.125	3	82	
		5325 PI	"	±15	0.100	3	82	

12W / 2A MacroDens

	PKF	2610A PI/SI ¹	18-36	3.3	2	6.6	81	• 1500 V isolation • MTBF 5 Mhrs Size LxWxH: 1.89x 0.95x 0.315 In 48 x 24 x 8 mm
		2111A PI/SI ¹	"	5	2	10	83	
		2113A PI/SI ¹	"	12	1	12	86	
		4310 PI/SI	38-72	2.1	1.5	3	73	
		4510 PI/SI	"	3.3	1.5	5	79	
		4611 PI/SI	"	5	1.2	6	83	
		4713 PI/SI	"	12	0.6	7	83	
		4622 PI/SI	"	±5	1, 1	6	83	
		4628 PI/SI	"	+5, +3.3	1, 1	6	80	
		4629 SI	"	+5, -12	0.8, 0.12	7	84	
		4621 PI/SI	"	±12	0.5, 0.5	6	83	

15W / 5A MacroDens

	PKF	4918B SI	36-75	1.8	5	9	80	• 1500 V isolation • MTBF 10 Mhrs Size LxWxH: 1.89x 0.95x 0.315 In 48 x 24 x 8 mm
		4918C SI	"	1.8	5	9	80	
		4919B SI	"	2.5	4.4	11	83	
		4910A PI/SI ¹	"	3.3	3	9.9	78	
		4110B SI	"	3.3	4.5	15	84	
		4211A SI ¹	"	5	3	15	81	
		4117A SI ¹	"	7	2.1	15	82	
		4928A SI ¹	"	+3.3, +5	2.1, 0.5	9.4	79	
		4128B SI	"	+3.3, +5	2, 2	12	85	
		4221A SI ¹	"	±12	0.62, 0.62	15	84	
		5510 PI/SI	18-75	3.3	1.5	5	80	
		5611 PI/SI	"	5	1.2	6	83	
		5617 PI/SI	"	7	0.86	6	84	
		5113 SI ¹	"	12	0.92	11	81	

NOTE:
1. Wide output adjust range. Consult datasheet for details.

Family	Part No	Vin (V)	Vout (V)	Iout (A)	Pout (W)	η (%)	Features	
18W / 3A 9-pin industry standard								
	PKC	2111 PI	18-36	5	3	15	81.5	• 500 V isolation • MTBF 2 Mhrs Size LxWxH: 3.15 x 2.16 x 0.42 In 80 x 55 x 10.7 mm  
		2113 PI	"	12	1.5	18	85	
		2121 PI	"	± 12	1.2	18	86	
		2126 PI	"	± 15	1	18	86.5	
		2131 PI	"	+5, ± 12	3, 0.6	15	81	
		2132 PI	"	+5, ± 15	3, 0.5	15	82	
		2135 PI	"	+5, ± 12 , -5	3, 0.6, 1	15	81	
		4111 PI	36-72	5	3	15	81.5	
		4113 PI	"	12	1.5	18	85	
		4121 PI	"	± 12	1.2	18	86	
		4126 PI	"	± 15	1	18	86.5	
		4131 PI	"	+5, ± 12	3, 0.6	15	81	
		4132 PI	"	+5, ± 15	3, 0.5	15	82	
		4135 PI	"	+5, ± 12 , -5	3, 0.6, 1	15	81	
40W / 8A 10-pin industry standard								
	PKA	2211 PI	19-35	5	5	25	80	• 500 V isolation • MTBF 2 Mhrs Size LxWxH: 2.99 x 2.99 x 0.7 In 76 x 76 x 17.8 mm  
		2212 P	"	5	5	25	80	
		2411 PIL	"	5	8	40	81	
		2323 PI	"	2 x 12	2, 2	30	86	
		2325 PI	"	2 x 15	1.6, 1.6	30	85	
		2231 P	"	5, ± 12	5, 1, 1	25	80	
		2231 PI	"	5, ± 12	5, 1, 1	25	82	
		2232 P	"	5, ± 15	5, 0.8, 0.8	25	82	
		2232 PI	"	5, ± 15	5, 0.8, 0.8	25	83	
		2432 PIL	"	5, ± 15	8, 2, 2	40	83	
	40W / 8A 10-pin industry standard							
	PKE	4210 PI	38-72	3.3	7.6	25	78	• 1500 V isolation • MTBF 2 Mhrs Size LxWxH: 2.98 x 2.98 x 0.42 In 76 x 76 x 10.7 mm  
		4211 PI	"	5	5	25	84	
		4411 PI	"	5	8	40	83	
		4323 PI	"	2 x 12	2, 2	30	87	
		4325 PI	"	2 x 15	1.6, 1.6	30	89	
		4231 PI	"	+5, ± 12	5, 1, 1	25	84	
		4232 PI	"	+5, ± 15	5, 0.8, 0.8	25	85	
		4235 PI	"	+5, ± 12 , -5	5, 1, 3	25	84	
		4431 PI	"	+5, ± 12	7, 2, 2	40	84	
50W / 20A Low profile								
	PKN	4318 PIOA	36-75	1.5	20	30	87.3	• 1500 V isolation • MTBF 2 Mhrs Size LxWxH: 2.4 x 2.4 x 0.335 In 61 x 61 x 8.5 mm  
		4318 PI	"	1.8	20	36	88.5	
		4419 PI	"	2.5	17	42.5	89	
		4510 PI	"	3.3	15	50	91	
		4511 PI	"	5	10	50	92	
		4520 BPIOC	"	3.3, 1.3	15, 8	50	87	
		4520 BPIOA	"	3.3, 1.5	15, 8	50	87	
		4520 BPI	"	3.3, 1.8	15, 8	50	88	
		4520 API	"	3.3, 2.5	15, 6	50	89	

Family	Part No	Vin (V)	Vout (V)	Iout (A)	Pout (W)	η (%)	Features
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50W / 15A Surface Mount

	PKD	4118 SIOD	36-75	1.2	14	16.8	85	• 1500 V isolation • MTBF 5 Mhrs • Lead Free 260°C Size LxWxH: 1.98 x 1.82 x 0.29 In 50.4 x 46.3 x 7.5 mm
		4218 SIOA	"	1.5	14	21	86	
		4218 SI	"	1.8	14	25.2	86.5	
		4319 SI	"	2.5	12	30	88	
		4210 SI	"	3.3	8	27.4	90	
		4210 SIN	"	3.3	8	27.4	90	
		4510A SI	"	3.3	15	50	90	
		4311 SI	"	5	6	30	90	
								 

60W / 15A 10-pin industry standard

	PKG	2410 PI	18-36	3.3	14	46	79.5	• 1500 V isolation • MTBF 2 Mhrs Size LxWxH: 2.94 x 2.33 x 0.43 In 74.7 x 59.3 x 11 mm
		2611 PI	"	5	12	60	84	
		2623 PI	"	2 x 12	4	60	88	
		2625 PI	"	2 x 15	3.2	60	88	
		4319 PI	36-75	2.5	15	38	78	
		4410 PI	"	3.3	14	46	81	
		4611 PI	"	5	12	60	86	
		4617 PIOA	"	6.2	10	60	86	
		4428 PI	"	3.3, 5	9.6, 6.4	40	84	
		4623 PI	"	2 x 12	4	60	89	
		4625 PI	"	2 x 15	3.2	60	89	
		4627 PI	"	5, 12	9, 3	60	88	
								 

78W / 30A Eighth-brick

	PKB	4318 PIOBNB	36-75	1.2	30	36	90	• 2250 V isolation • MTBF 5 Mhrs Size LxWxH: 2.28 x 0.785 x 0.3 In 57.9 x 20 x 7.6 mm
		4418 PIOANB	"	1.5	28	42	90	
		4418 PINB	"	1.8	25	45	88.5	
		4619 PINB	"	2.5	25	63	88.7	
		4610 PINB	"	3.3	20	66	92.4	
		4711 PINB	"	5	15	75	91.5	
		4717 PINB	"	6.5	12	78	91.5	
		4713 PINB	"	12	6	72	92.4	
		4715 PINB	"	15	5	75	92	
								

100W / 40A Half-brick

	PKJ-E								
		4719E PI	36-75	2.5	30	75	86.5		• 1500 V isolation
		4810E PI	"	3.3	25	82.5	89		• MTBF 6 Mhrs
		4111E PI	"	5	20	100	89		
Size LxWxH: 2.4 x 2.28 x 0.33 In 61 x 57.9 x 8.5 mm									
 									

Family	Part No	Vin (V)	Vout (V)	Iout (A)	Pout (W)	η (%)	Features
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126W / 35A Quarter-brick

	PKM	4118A PIOB	36-75	1.2	15	18	90	• 1500 V isolation • MTBF 3 Mhrs Size LxWxH: 2.28 x 1.45 x 0.5 In 57.9x36.8x12.7 mm 
		4218A PIOB	"	1.2	20	24	90	
		4318A PIOB	"	1.2	35	42	89	
		4218 PIOA	"	1.5	15	22.5	90	
		4318 PIOA	"	1.5	20	30	90	
		4418A PIOA	"	1.5	30	45	90	
		4218 PI	"	1.8	15	27	90	
		4318 PI	"	1.8	20	36	90	
		4518A PI	"	1.8	30	54	90	
		4618A PI	"	1.8	35	63	90	
		4319 PI	"	2.5	15	37.5	90	
		4519 PI	"	2.5	20	50	90	
		4719A PI	"	2.5	30	75	90	
		4510 PI	"	3.3	15	49.5	91	
		4610 PI	"	3.3	20	66	90	
		4810A PI	"	3.3	25	82.5	90	
		4910A PI	"	3.3	30	100	90	
		4711 PI	"	5	15	75	93	
		4111 PI	"	5	20	100	91	
		4113 PI	"	12	10.5	126	90	

126W / 70A THE Double P Quarter-brick

	PKM-C	4118GC PINB	36-75	1.8	70	126	90	• 2250 V isolation • MTBF 4 Mhrs Size LxWxH: 2.28 x 1.45 x 0.5 In 57.9x36.8 x12.7 mm 

150W / 42A Half-brick

	PKJ	4218 PIOAT	36-75	1.5	15	22.5	87	• 1500 V isolation • MTBF 3 Mhrs Size LxWxH: 2.4 x 2.28 x 0.5 In 61 x 57.9 x 12.7 mm 
		4318 PIOAT	"	1.5	20	30	86	
		4418 PIOAT	"	1.5	30	45	85	
		4218 PIT	"	1.8	15	27	91	
		4318 PIT	"	1.8	20	36	91	
		4518 PIT	"	1.8	30	54	90	
		4718B PIT	"	1.8	40	72	92	
		4718 PIT	"	1.8	42	76	90	
		4319 PIT	"	2.5	15	37.5	89	
		4519 PIT	"	2.5	20	50	91	
		4719 PIT	"	2.5	30	75	90	
		4119 PIT	"	2.5	40	100	90	
		4119B PIT	"	2.5	40	100	90	
		4510 PIT	"	3.3	15	50	90.5	
		4610 PIT	"	3.3	20	66	90.5	
		4910 PIT	"	3.3	30	99	89	
		4110B PIT	"	3.3	40	132	89	

Family	Part No	Vin (V)	Vout (V)	Iout (A)	Pout (W)	η (%)	Features
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150W / 42A Half-brick -continued

PKJ	4711 PIT	36-75	5	15	75	91.5	
	4111 PIT	"	5	20	100	91.5	
	4111A PIT	"	5	30	150	90.5	
	4513 PIPTO	"	12	4.5	54	93	
	4713 PIT	"	12	6.25	75	93	
	4113 PIT	"	12	8.3	100	93	
	4113A PIT	"	12	12.5	150	93	
	4128 PIT	"	5, 3.3	12, 15	110	90	
	4820 PIT	"	3.3, 1.8	15, 20	86	87	

364W / 100A THE Double P extended Half-brick

	4918 PIOA	36-75	1.5	60	90	89	• 1500 V isolation • MTBF 3 Mhrs Size LxWxH: 2.42 x 2.4 x 0.5 In 61.5 x 61 x 12.7 mm 
	4918 PIT	"	1.8	50	90	91	
	4118 PIT	"	1.8	60	108	91	
	4118B PIT	"	1.8	80	144	90	
	4118A PIT	"	1.8	100	180	89	
	4119 PIT	"	2.5	50	125	90	
	4119A PIT	"	2.5	60	150	90	
	4219A PIT	"	2.5	80	200	91	
	4110 PIT	"	3.3	50	165	91	
	4110A PIT	"	3.3	60	198	92	
	4211 PIT	"	5	50	250	91	
	4311 PIT	"	5	60	300	90	
	4213 PIT	"	12	21	252	92	
	4313 PIT	"	12	25	300	92	
	4316 PIT	"	28	13	364	91	

DC/DC Regulators

80W / 16A Surface Mount

	4118L SF	3.0-3.6	1.2	12	14.4	89	• MTBF 8.6 Mhrs Size LxWxH: 1.39 x 0.79 x .335 In 35.2 x 20 x 8.5 mm
	4118H SF	"	1.5	12	18	89	
	4218G SF	"	1.8	12	21.6	91	
	5319 SF	4.5-5.5	2.5	12	30	92	
	5310 SF	"	3.3	12	39.6	93	
	8811 SF ²	9.0-16.0	5.0	16	80	94	

NOTE:

2. Wide output adjust range. Consult product information for details.

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Product Selector

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