

FEATURES

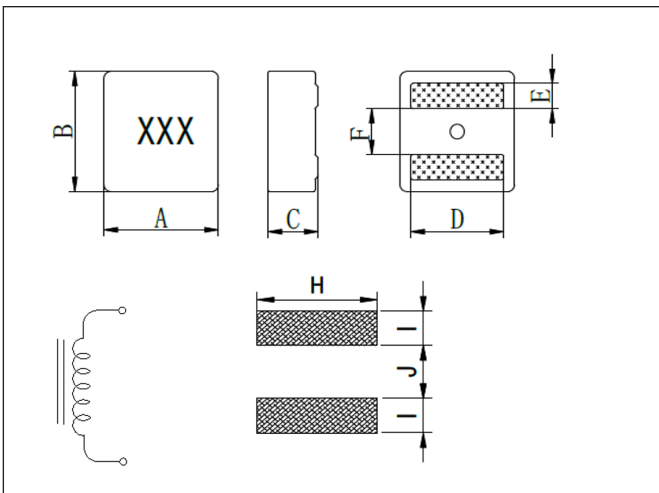
- Excellent current handling
- Exceptionally low DCR
- Soft saturation
- Composite construction minimizes audible buzzing.
- Tin-silver over copper terminations
- Composite material

TECHNICAL DATA

- Test Frequency: 100kHz 0.1V,
- Parameters Test Temp: 25°C
- Operation Temp: -40°C to +125°C
- Storage Temp: 0~40°C
- Storage Humidity: 10% -70% RH
- Resistance to Soldering Heat: 260°C for 10 sec.
- Inductance drop 30% Max. with Isat
- Temp Rise: 40°C Typ. At Rated Current

APPLICATIONS

- Perfect for VRM/VRD applications



DIMENSIONS [mm]

TYPE	A	B	C	D	E	F	H	I	J
	±0.20	±0.20	±0.20	±0.30	±0.30	±0.30	Ref	Ref	Ref
OWIHPM0420	4.1	4.1	1.9	3.4	0.88	1.60	3.8	1.0	1.4
OWIHPM0520	5.5	5.5	1.9	4.3	1.10	2.30	4.7	1.25	2.0
WIHPM0530	5.5	5.3	2.9	4.3	1.1	2.3	4.7	1.25	2.0
OWIHPM0630	6.6	6.4	2.8/2.9	TBD	1.4	2.6	5.6	1.56	2.5
OWIHPM0730	7.8	7.6	2.9	TBD	1.75	3.15	7.2	2.3	2.8

Please contact your local Ole Wolff representative for custom dimensions.

Custom solutions available. Please get in touch with your local Ole Wolff representative.



Datasheet of OWIHPM0420 series

OW Series P/N	Inductance (uH)	Test Frequency (kHz)	DCR (mΩ) Max	ISAT (A)Max	ISAT (A)TYP.	IRMS (A)MAX	Marking
OWIHPM0420-R10	0.1	100kHz 0.1V	2.5	32.8	37.8	18.2	R10
OWIHPM0420-R22	0.22	100kHz 0.1V	4.7	18.6	19.4	16.5	R22
OWIHPM0420-R36	0.36	100kHz 0.1V	6.5	14.8	16.9	14.6	R36
OWIHPM0420-R40	0.40	100kHz 0.1V	7.9	13.3	15.3	13.9	R40
OWIHPM0420-R47	0.47	100kHz 0.1V	8.8	12.7	14.2	12.3	R47
OWIHPM0420-R56	0.56	100kHz 0.1V	9.5	12.4	13.9	11.8	R56
OWIHPM0420-R60	0.60	100kHz 0.1V	9.7	12.1	13.5	11.5	R60
OWIHPM0420-R72	0.72	100kHz 0.1V	11.9	10.5	11.8	10.7	R72
OWIHPM0420-1R0	1.00	100kHz 0.1V	15.0	8.6	9.5	9.5	1R0
OWIHPM0420-1R2	1.20	100kHz 0.1V	18.1	7.5	8.8	8.8	1R2
OWIHPM0420-1R5	1.50	100kHz 0.1V	23.8	7.2	7.5	7.5	1R5
OWIHPM0420-1R8	1.80	100kHz 0.1V	28.5	6.9	7.3	6.8	1R8

Comment: Inductance tolerance: N: ±30% P: ±25% M: ±20%;

Datasheet of OWIHPM0520 series

OW Series P/N	Inductance (uH)	Test Frequency (kHz)	DCR (mΩ) Max	ISAT (A)Max	ISAT (A)TYP.	IRMS (A)MAX	Marking
OWIHPM0520-R15	0.15	100kHz 0.1V	4.9	26.9	29.8	18.6	R15
OWIHPM0520-R16	0.16	100kHz 0.1V	4.9	26.9	29.8	18.6	R16
OWIHPM0520-R33	0.33	100kHz 0.1V	7.3	23.7	23.7	14.3	R33
OWIHPM0520-R47	0.47	100kHz 0.1V	8.2	19.8	19.8	14.0	R47
OWIHPM0520-R56	0.56	100kHz 0.1V	9.7	15.9	15.9	13.8	R56
OWIHPM0520-R68	0.68	100kHz 0.1V	10.5	13.8	13.8	13.2	R68
OWIHPM0520-R80	0.80	100kHz 0.1V	12.0	13.2	13.2	12.7	R80
OWIHPM0520-R82	0.82	100kHz 0.1V	12.8	12.6	12.6	11.8	R82
OWIHPM0520-1R0	1.00	100kHz 0.1V	14.1	12.5	12.5	10.1	1R0
OWIHPM0520-1R2	1.20	100kHz 0.1V	16.5	12.0	12.0	9.2	1R2
OWIHPM0520-1R5	1.50	100kHz 0.1V	19.0	11.4	11.4	8.5	1R5

Comment: Inductance tolerance: N: ±30% P: ±25% M: ±20%;

Datasheet of OWIHPM0530 series

OW Series P/N	Inductance (uH)	Test Frequency (kHz)	DCR (mΩ) Max	ISAT (A)Max	ISAT (A)TYP.	IRMS (A)MAX	Marking
OWIHPM0530-R15	0.15	100kHz 0.1V	2.4	32.2	35.8	22.0	R15
OWIHPM0530-R16	0.16	100kHz 0.1V	2.4	31.8	34.7	22.0	R16
OWIHPM0530-R33	0.33	100kHz 0.1V	3.6	25.8	27.9	18.9	R33
OWIHPM0530-R47	0.47	100kHz 0.1V	4.3	23.5	25.6	18.3	R47
OWIHPM0530-R56	0.56	100kHz 0.1V	4.7	20.1	22.0	17.5	R56
OWIHPM0530-R60	0.60	100kHz 0.1V	4.7	19.6	21.8	17.5	R60
OWIHPM0530-R80	0.80	100kHz 0.1V	5.8	17.6	19.8	13.0	R80
OWIHPM0530-R82	0.82	100kHz 0.1V	5.9	17.3	19.5	12.6	R82
OWIHPM0530-1R0	1.00	100kHz 0.1V	7.9	14.1	14.7	12.0	1R0
OWIHPM0530-1R2	1.20	100kHz 0.1V	9.9	13.2	14.7	11.0	1R2



Datasheet of OWIHPM0530 series (continued)

OW Series P/N	Inductance (uH)	Test Frequency (kHz)	DCR (mΩ) Max	ISAT (A)Max	ISAT (A)TYP.	IRMS (A)MAX	Marking
OWIHPM0530-1R5	1.5	100kHz 0.1V	11.5	12.1	13.6	10.4	1R5
OWIHPM0530-1R8	1.50	100kHz 0.1V	12.9	11.0	12.1	9.8	1R8
OWIHPM0530-2R2	1.80	100kHz 0.1V	14.8	8.80	9.8	9.5	2R2
OWIHPM0530-3R3	3.30	100kHz 0.1V	23.5	8.60	9.2	8.0	3R3
OWIHPM0530-4R7	4.70	100kHz 0.1V	36.7	6.80	8.0	5.6	4R7

Comment: Inductance tolerance: N: ±30% P: ±25%; M: ±20%;

Datasheet of OWIHPM0630 series

OW Series P/N	Inductance (uH)	Test Frequency (kHz)	DCR (mΩ) Max	ISAT (A)Max	ISAT (A)TYP.	IRMS (A)MAX	Marking
OWIHPM0630-R18	0.18	100kHz 0.1V	2.0	35.7	40.0	31.5	R18
OWIHPM0630-R33	0.33	100kHz 0.1V	2.6	27.8	31.8	24.8	R33
OWIHPM0630-R56	0.56	100kHz 0.1V	3.5	24.8	28.6	21.6	R56
OWIHPM0630-R68	0.68	100kHz 0.1V	5.3	20.6	24.7	19.8	R68
OWIHPM0630-1R0	1.0	100kHz 0.1V	6.3	17.8	22.6	17.7	1R0
OWIHPM0630-1R2	1.2	100kHz 0.1V	7.7	15.9	21.7	15.8	1R2
OWIHPM0630-1R5	1.5	100kHz 0.1V	9.4	15.1	20.0	14.5	1R5
OWIHPM0630-1R8	1.8	100kHz 0.1V	10.5	12.7	18.0	13.6	1R8
OWIHPM0630-2R2	2.2	100kHz 0.1V	12.6	10.6	15.4	9.8	2R2
OWIHPM0630-3R3	3.3	100kHz 0.1V	21.2	8.7	11.8	8.0	3R3
OWIHPM0630-4R5	4.5	100kHz 0.1V	25.7	7.8	9.6	6.9	4R5
OWIHPM0630-4R7	4.7	100kHz 0.1V	26.0	7.5	9.5	6.6	4R7

Comment: Inductance tolerance: N: ±30% P: ±25%; M: ±20%

Datasheet of OWIHPM0730 series

OW Series P/N	Inductance (uH)	Test Frequency (kHz)	DCR (mΩ) Max	ISAT (A)Max	ISAT (A)TYP.	IRMS (A)MAX	Marking
OWIHPM0730-1R0	1.0	100kHz 0.1V	5.2	28.0	29.5	21.5	1R0
OWIHPM0730-1R5	1.5	100kHz 0.1V	8.3	23.3	25.0	15.3	1R5
OWIHPM0730-2R2	2.2	100kHz 0.1V	14.0	16.8	18.7	13.0	2R2
OWIHPM0730-2R7	2.7	100kHz 0.1V	15.5	13.2	15.7	11.2	2R7
OWIHPM0730-3R3	3.3	100kHz 0.1V	18.0	12.6	14.5	10.0	3R3
OWIHPM0730-4R7	4.7	100kHz 0.1V	27.0	12.0	13.3	8.8	4R7
OWIHPM0730-5R6	5.6	100kHz 0.1V	33.5	11.5	12.3	7.1	5R6
OWIHPM0730-6R8	6.8	100kHz 0.1V	42.5	11.0	11.8	6.5	6R8
OWIHPM0730-8R2	8.2	100kHz 0.1V	49.0	8.8	10.0	5.8	8R2

Comment: Inductance tolerance: N: ±30% P: ±25% M: ±20%

Custom solutions available. Please get in touch with your local Ole Wolff representative.

