

# VISHAY/DALE Low Profile - SMD High Current Inductors

RoHS Compliant This product is RoHS compliant.

## IHLP SERIES

### Features:

- Operating temperature: -55°C to +125°C
- Shielded construction
- Handles high transient current spikes without saturation

### Applications:

- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Power supplies
- Battery powered devices
- DC/DC converters in distributed power systems, FPGAs



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	Height (mm)	DCR Typ @ 25°C (mΩ)	DCR Max @ 25°C (mΩ)	Heat Rating Current DC Typ. (A)	Saturation Current DC Typ. (A)	Price Each			Reel Qty.	Price Per Piece
								1	100	500		
<b>IHLP-1212AB-11 Series</b>												
70-IHLP1212ABERR22M1	IHLP1212ABERR22M1	0.22	1.2	9.5	11.4	9.3	9.3	1.22	.825	.66	3000	.561
70-IHLP1212ABERR33M1	IHLP1212ABERR33M1	0.33	1.2	12.0	14.3	7.2	8.7	1.22	.825	.66	3000	.561
70-IHLP1212ABERR47M1	IHLP1212ABERR47M1	0.47	1.2	16.3	19.5	6.4	7.0	1.22	.825	.66	3000	.561
70-IHLP1212ABERR56M1	IHLP1212ABERR56M1	0.56	1.2	18.7	22.0	5.1	6.7	1.22	.825	.66	3000	.561
<b>IHLP-1212AE-11 Series</b>												
70-IHLP1212AEERR22M1	IHLP1212AEERR22M1	0.22	1.2	9.5	11.4	8.5	9.0	1.11	.75	.60	3000	.51
70-IHLP1212AEERR33M1	IHLP1212AEERR33M1	0.33	1.2	11.5	13.8	7.8	7.0	1.11	.75	.60	3000	.51
70-IHLP1212AEERR47M1	IHLP1212AEERR47M1	0.47	1.2	12.7	15.0	6.7	6.7	1.11	.75	.60	3000	.51
70-IHLP1212AEERR56M1	IHLP1212AEERR56M1	0.56	1.2	17.0	20.4	6.0	5.5	1.15	.775	.62	3000	.527
70-IHLP1212AEERR68M1	IHLP1212AEERR68M1	0.68	1.2	18.4	22.0	5.4	5.5	1.15	.775	.62	3000	.527
70-IHLP1212AEERR82M1	IHLP1212AEERR82M1	0.82	1.2	22.5	26.0	4.9	5.5	1.15	.775	.62	3000	.527
70-IHLP1212AEERR1R0M1	IHLP1212AEERR1R0M1	1.0	1.2	29.5	33.0	3.9	5.5	1.15	.775	.62	3000	.527
<b>IHLP-1212BZ-11 Series</b>												
70-IHLP1212BZERR22M1	IHLP1212BZERR22M1	0.22	2	9.5	11.4	6.5	7.5	1.11	.75	.60	3000	.51
70-IHLP1212BZERR36M1	IHLP1212BZERR36M1	0.36	2	11.5	13.8	6.3	6.5	1.11	.75	.60	3000	.51
70-IHLP1212BZERR56M1	IHLP1212BZERR56M1	0.56	2	16.2	19.4	5.5	5.5	1.18	.80	.64	3000	.544
70-IHLP1212BZERR68M1	IHLP1212BZERR68M1	0.68	2	17	20.4	5.5	5	1.18	.80	.64	3000	.544
70-IHLP1212BZERR88M1	IHLP1212BZERR88M1	0.88	2	18.5	22	5.5	4.5	1.18	.80	.64	3000	.544
70-IHLP1212BZERR1R0M1	IHLP1212BZERR1R0M1	1	2	20	24	5	4.5	1.10	.75	.60	3000	.51
70-IHLP1212BZERR1R2M1	IHLP1212BZERR1R2M1	1.2	2	23	27	5	4	1.10	.75	.60	3000	.51
70-IHLP1212BZERR1R5M1	IHLP1212BZERR1R5M1	1.5	2	27	32	5	4	1.10	.75	.60	3000	.51
<b>IHLP-1616AB-01 Series</b>												
70-IHLP1616ABERR22M0	IHLP1616ABERR22M0	0.22	1.8	11	12	8.5	20	2.59	1.75	1.40	4000	1.19
<b>IHLP-1616AB-11 Series</b>												
70-IHLP1616ABER1R0M1	IHLP1616ABER1R0M1	1	1.8	43	47	4.2	4.5	2.59	1.75	1.40	4000	1.19
70-IHLP1616ABER2R2M1	IHLP1616ABER2R2M1	2.2	1.8	79.4	83.5	2.8	3	2.59	1.75	1.40	4000	1.19
<b>IHLP-1616BZ-01 Series</b>												
70-IHLP1616BZERR22M0	IHLP1616BZERR22M0	0.22	2	7.3	8	13	24	2.63	1.77	1.42	4000	1.20
70-IHLP1616BZERR2R2M0	IHLP1616BZERR2R2M0	2.2	2	80	90	2.9	6	2.63	1.77	1.42	4000	1.20
<b>IHLP-2020BZ-01 Series</b>												
70-IHLP2020BZERR47M0	IHLP2020BZERR47M0	0.47	2	8.9	9.4	11.5	21	2.37	1.60	1.28	2000	1.08
70-IHLP2020BZERR68M0	IHLP2020BZERR68M0	0.68	2	11.2	12.4	10	15	2.37	1.60	1.28	2000	1.08
70-IHLP2020BZERR1R0M0	IHLP2020BZERR1R0M0	1	2	18.9	20	7	16	2.37	1.60	1.28	2000	1.08
70-IHLP2020BZERR3R3M0	IHLP2020BZERR3R3M0	3.3	2	79.2	85.5	3.3	8.5	2.37	1.60	1.28	2000	1.08
70-IHLP2020BZERR4R7M0	IHLP2020BZERR4R7M0	4.7	2	108	116.6	2.8	5	2.37	1.60	1.28	2000	1.08
70-IHLP2020BZERR100M0	IHLP2020BZERR100M0	10	2	184	199	2.3	4	2.37	1.60	1.28	2000	1.08
<b>IHLP2020CZ-01 Series</b>												
70-IHLP2020CZERR10M0	IHLP2020CZERR10M0	0.10	3	3	3.16	23.0	27.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR15M0	IHLP2020CZERR15M0	0.15	3	-	-	-	-	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR22M0	IHLP2020CZERR22M0	0.22	3	4.30	4.52	15.5	21.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR33M0	IHLP2020CZERR33M0	0.33	3	5.30	5.56	13.7	19.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR47M0	IHLP2020CZERR47M0	0.47	3	6.70	7.04	12.2	16.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR68M0	IHLP2020CZERR68M0	0.68	3	8.53	8.96	10.2	13.5	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR82M0	IHLP2020CZERR82M0	0.82	3	11.3	11.9	9.3	13.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR1R0M0	IHLP2020CZERR1R0M0	1	3	13.1	13.7	9.2	12.0	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR1R5M0	IHLP2020CZERR1R5M0	1.5	3	19.7	20.7	7.2	11.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR2R2M0	IHLP2020CZERR2R2M0	2.2	3	27.8	29.2	5.8	10.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR3R3M0	IHLP2020CZERR3R3M0	3.3	3	52.1	54.7	5.0	8.5	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR4R7M0	IHLP2020CZERR4R7M0	4.7	3	73.8	77.5	3.5	8.2	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR5R6M0	IHLP2020CZERR5R6M0	5.6	3	103	108	3.0	4.1	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR8R2M0	IHLP2020CZERR8R2M0	8.2	3	-	-	-	-	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR100M0	IHLP2020CZERR100M0	10	3	152	158	2.5	4.0	2.29	1.68	1.55	2000	1.11
70-IHLP2020CZERR150M0	IHLP2020CZERR150M0	15	3	252	265	1.9	2.5	2.29	1.68	1.55	2000	1.11
<b>IHLP-2020BZ-11 Series</b>												
70-IHLP2020BZERR2R2M1	IHLP2020BZERR2R2M1	2.2	2	34.9	37.7	5	5.5	2.37	1.60	1.28	2000	1.08
70-IHLP2020BZERR3R3M1	IHLP2020BZERR3R3M1	3.3	2	53.5	57.8	4.1	4.7	2.37	1.60	1.28	2000	1.08
<b>IHLP-2020CZ-11 Series</b>												
70-IHLP2020CZERR47M1	IHLP2020CZERR47M1	0.47	3	5.4	6	14	9	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR1R0M1	IHLP2020CZERR1R0M1	1	3	10	11	10	6.5	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR2R2M1	IHLP2020CZERR2R2M1	2.2	3	22.5	25	6.8	5.5	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR3R3M1	IHLP2020CZERR3R3M1	3.3	3	36.4	40.4	5.5	7	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR4R7M1	IHLP2020CZERR4R7M1	4.7	3	54	60	4.5	5.2	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR5R6M1	IHLP2020CZERR5R6M1	5.6	3	63	70.6	4.3	3.5	2.29	1.55	1.24	2000	1.05
70-IHLP2020CZERR100M1	IHLP2020CZERR100M1	10	3	122.1	131.9	2.8	2.25	2.29	1.55	1.24	2000	1.05
<b>IHLP-2525AH-01 Series</b>												
70-IHLP2525AHERR10M1	IHLP2525AHERR10M0	0.1	1.8	3	3.5	18	40	2.92	2.05	1.64	2000	1.41
70-IHLP2525AHERR22M1	IHLP2525AHERR22M0	0.22	1.8	5.3	5.7	14	26	2.92	2.05	1.64	2000	1.41
70-IHLP2525AHERR47M1	IHLP2525AHERR47M0	0.47	1.8	8.4	9.3	11	18	2.92	2.05	1.64	2000	1.41
70-IHLP2525AHER1R0M1	IHLP2525AHER1R0M0	1	1.8	17.5	18.3	7	14	2.92	2.05	1.64	2000	1.41
70-IHLP2525AHER2R2M1	IHLP2525AHER2R2M0	2.2	1.8	40.3	46	3.75	13	2.92	2.05	1.64	2000	1.41
70-IHLP2525AHER4R7M1	IHLP2525AHER4R7M0	4.7	1.8	76.6	78	3	8	2.92	2.05	1.64	2000	1.41
<b>IHLP-2525CZ-01 Series</b>												
70-IHLP2525CZERR10M1	IHLP2525CZERR10M0	0.1	3	1.5	1.7	32.5	60	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR15M1	IHLP2525CZERR15M0	0.15	3	1.9	2.5	26	52	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR20M1	IHLP2525CZERR20M0	0.2	3	2.4	3	24	41	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR22M1	IHLP2525CZERR22M0	0.22	3	2.5	2.8	23	40	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR33M1	IHLP2525CZERR33M0	0.33	3	3.5	3.9	20	30	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR47M1	IHLP2525CZERR47M0	0.47	3	4	4.2	17.5	26	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR68M1	IHLP2525CZERR68M0	0.68	3	5	5.5	15.5	25	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR82M1	IHLP2525CZERR82M0	0.82	3	6.7	8	13	24	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR1R0M1	IHLP2525CZERR1R0M0	1	3	9	10	11	22	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR1R5M1	IHLP2525CZERR1R5M0	1.5	3	14	15	9	18	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR2R2M1	IHLP2525CZERR2R2M0	2.2	3	18	20	8	14	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR3R3M1	IHLP2525CZERR3R3M0	3.3	3	28	30	6	13.5	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR4R7M1	IHLP2525CZERR4R7M0	4.7	3	37	40	5.5	10	2.26	1.52	1.22	2000	1.03
70-IHLP2525CZERR6R8M1	IHLP2525CZERR6R8M0	6.8	3	54	60	4.5	8					