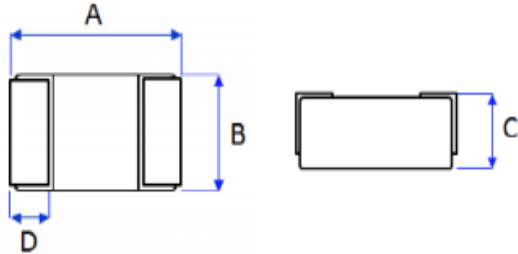


PRODUCT: Power Inductor

SERIES: ZCSH252010

PACKAGING DIMENSION: [Unit: mm]



A	2.5±0.2
B	2.0±0.2
C	1.0 MAX
D	0.6±0.2

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR	Heat Rating Current	Saturation Current
		(mΩ) MAX	Idc (Amp)	Isat (Amp)
			Typ. / Max	Typ. / Max
ZCSH252010-R33M	0.33	26.0	5.3 / 4.8	4.4 / 4.0
ZCSH252010-R47M	0.47	41.0	4.5 / 4.1	3.5 / 3.1
ZCSH252010-R68M	0.68	45.0	4.3 / 3.8	3.3 / 3.0
ZCSH252010-1R0M	1.00	65.0	3.5 / 3.2	2.8 / 2.5
ZCSH252010-1R5M	1.50	95.0	3.0 / 2.7	2.2 / 2.0
ZCSH252010-2R2M	2.20	113.0	2.6 / 2.3	1.8 / 1.6

© All testing frequency: 1MHz / 1v

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

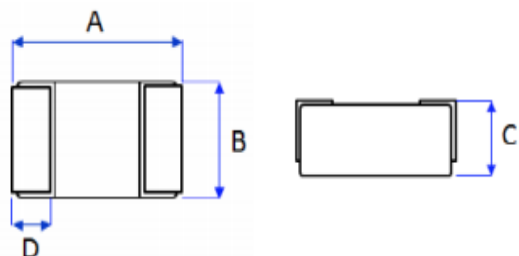
© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -25°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH252012

PACKAGING DIMENSION: [Unit: mm]



A	2.5±0.2
B	2.0±0.2
C	1.2 MAX
D	0.6±0.2

GENERAL SPECIFICATIONS:

P/N	L0 Inductance $\mu\text{H} \pm 20\%$ @0A	DCR	Heat Rating Current	Saturation Current
		(m Ω) MAX	Idc (Amp)	Isat (Amp)
			Typ. / Max	Typ. / Max
ZCSH252012-R33M	0.33	17	5.5 / 4.95	5.8 / 5.22
ZCSH252012-R47M	0.47	28	4.5 / 4.0	5.0 / 4.5
ZCSH252012-R68M	0.68	43	4.0 / 3.5	4.5 / 4.0
ZCSH252012-1R0M	1.00	55	3.1 / 2.7	3.8 / 3.3
ZCSH252012-2R2M	2.20	105	2.3 / 2.0	2.5 / 2.2
ZCSH252012-3R3M	3.30	144	1.75 / 1.55	2.0 / 1.8
ZCSH252012-4R7M	4.70	240	1.55 / 1.45	1.7 / 1.5

© All testing frequency: 1MHz / 1v

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

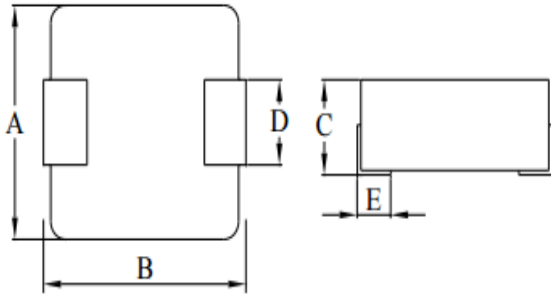
© Typical Saturation DC Current would cause Lo to drop approximately 30%

△ Operating Temperature Range: -25°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH0412

PACKAGING DIMENSION: [Unit: mm]



A	4.2±0.25
B	4.4±0.35
C	1.2 MAX
D	2.0±0.3
E	0.8±0.3

GENERAL SPECIFICATIONS:

P/N	LO Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH0412-R33M	0.33	17.0	19.0	6.5	8.4
ZCSH0412-R47M	0.47	19.0	21.0	6.0	6.8
ZCSH0412-R68M	0.68	32.0	36.0	4.7	6.0
ZCSH0412-1R0M	1.0	43.0	47.0	4.5	5.5
ZCSH0412-1R5M	1.5	68.0	75.0	3.25	4.0
ZCSH0412-2R2M	2.2	79.4	83.5	2.75	3.5
ZCSH0412-4R7M	4.7	175.0	195.0	1.8	2.8

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

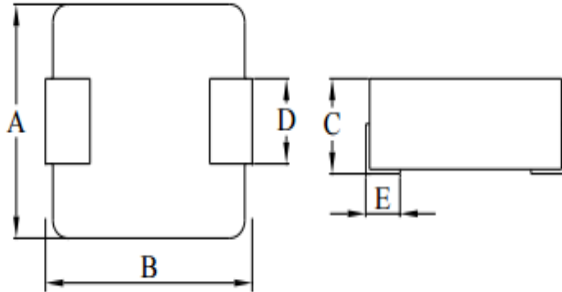
© Typical Saturation DC Current would cause Lo to drop approximately 30%

△ Operating Temperature Range: -25°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH-0402

PACKAGING DIMENSION: [Unit: mm]



A	4.05±0.25
B	4.45±0.25
C	2.0 MAX
D	1.5±0.3
E	0.8±0.3

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH0402-R10M	0.10	3.5	4.0	12.0	22.0
ZCSH0402-R22M	0.22	6.0	6.6	9.0	12.5
ZCSH0402-R47M	0.47	12.5	14.0	7.0	9.5
ZCSH0402-R56M	0.56	14.0	16.0	6.5	10.0
ZCSH0402-R68M	0.68	16.0	18.0	6.0	9.0
ZCSH0402-1R0M	1.0	24.0	27.0	4.5	7.0
ZCSH0402-1R2M	1.2	24.0	27.0	4.5	7.0
ZCSH0402-1R5M	1.5	38.0	46.0	4.0	6.0
ZCSH0402-2R2M	2.2	52.0	58.0	3.0	5.0
ZCSH0402-3R3M	3.3	74.0	87.0	2.5	4.0
ZCSH0402-4R7M	4.7	98.0	110.0	2.0	3.5
ZCSH0402-5R6M	5.6	105.0	115.0	1.8	3.0
ZCSH0402-6R8M	6.8	160.0	175.0	1.5	2.5
ZCSH0402-100M	10.0	256.0	282.0	1.2	2.2

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

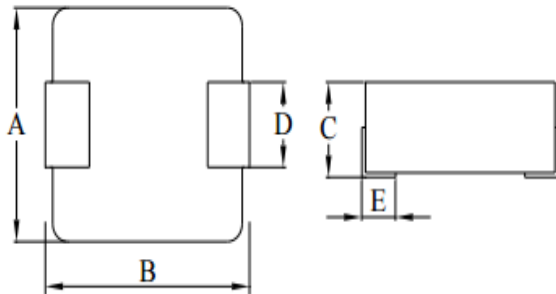
© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -25°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH0518

PACKAGING DIMENSION: [Unit: mm]



A	5.2±0.3
B	5.4±0.3
C	1.8 MAX
D	2.2±0.3
E	1.2±0.2

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typ. / Max	Typ. / Max
ZCSH0518-R47M	0.47	7.6	8.5	11.0 / 10.0	16.0 / 15.5
ZCSH0518-R56M	0.56	8.0	10.0	10.0 / 9.5	15.5 / 15.0
ZCSH0518-R68M	0.68	12.0	14.0	9.0 / 8.0	13.0 / 11.2
ZCSH0518-1R0M	1.0	15.0	18.0	8.5 / 7.5	10.0 / 8.6
ZCSH0518-1R2M	1.2	17.0	20.0	7.5 / 6.5	9.5 / 8.0
ZCSH0518-1R5M	1.5	23.0	28.0	6.2 / 5.5	9.0 / 7.2
ZCSH0518-2R2M	2.2	30.0	35.0	5.2 / 4.7	7.0 / 6.0
ZCSH0518-3R3M	3.3	45.0	52.0	4.7 / 4.5	5.5 / 4.8
ZCSH0518-4R7M	4.7	70.0	81.0	3.5 / 3.2	4.5 / 3.9
ZCSH0518-6R8M	6.8	103.0	125.0	2.9 / 2.6	3.6 / 3.4
ZCSH0518-8R2M	8.2	131.0	145.0	2.6 / 2.4	3.5 / 3.0
ZCSH0518-100M	10	139.0	154.0	2.5 / 2.3	3.3 / 2.8

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

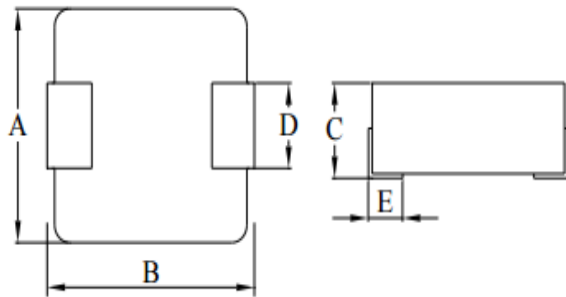
© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -25°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH0503

PACKAGING DIMENSION: [Unit: mm]



A	5.2±0.3
B	5.4±0.3
C	3.0 MAX
D	2.2±0.3
E	1.2±0.2

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH0503-R20M	0.20	3.5	3.9	18.0	14.5
ZCSH0503-R47M	0.47	7.4	8.5	13.5	12.0
ZCSH0503-R68M	0.68	11	12	8.5	14.0
ZCSH0503-1R0M	1.0	13	14	7.0	11.0
ZCSH0503-1R2M	1.2	15	16	6.5	11.0
ZCSH0503-1R5M	1.5	20	25	6.0	8.5
ZCSH0503-2R2M	2.2	25	29	5.5	7.5
ZCSH0503-3R3M	3.3	32	38	5.0	6.0
ZCSH0503-4R7M	4.7	50	60	3.5	5.0
ZCSH0503-6R8M	6.8	75	90	3.0	4.0
ZCSH0503-100M	10	110	125	2.5	3.5

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

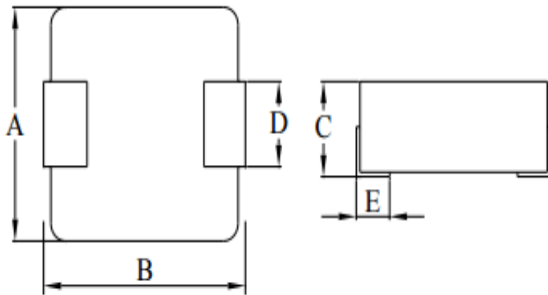
© Typical Saturation DC Current would cause Lo to drop approximately 30%

△ Operating Temperature Range: -25°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH-0618

PACKAGING DIMENSION: [Unit: mm]



A	6.6±0.3
B	7.1±0.3
C	1.8 MAX
D	3.0±0.3
E	1.6±0.5

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH0618-R10M	0.10	3.0	3.5	18	40
ZCSH0618-R15M	0.15	4.7	5.2	15	38
ZCSH0618-R22M	0.22	5.3	5.7	14	26
ZCSH0618-R33M	0.33	6.6	7.0	12	18
ZCSH0618-R47M	0.47	8.4	9.3	11	18
ZCSH0618-R68M	0.68	12.7	13.9	9	17
ZCSH0618-R82M	0.82	13.8	15.9	8	17
ZCSH0618-1R0M	1.0	17.5	18.3	7	14
ZCSH0618-1R5M	1.5	32.6	34.0	4	11.5
ZCSH0618-2R2M	2.2	40.3	46.0	3.75	11
ZCSH0618-2R5M	2.5	49.9	52.4	3.5	10.4
ZCSH0618-3R3M	3.3	56.2	60.1	3.25	10
ZCSH0618-4R7M	4.7	76.6	78.0	3	8

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

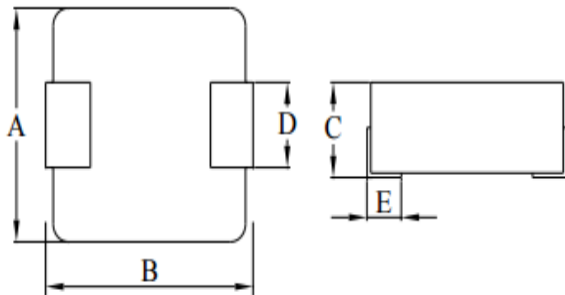
© Typical Saturation DC Current would cause Lo to drop approximately 30%

△ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor

SERIES: POHS0624

PACKAGING DIMENSION: [Unit: mm]



A	6.6±0.3
B	7.1±0.3
C	2.4 MAX
D	3.0±0.3
E	1.6±0.5

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
POHS0624-R10M	0.10	1.5	1.7	30.0	50.0
POHS0624-R22M	0.22	2.9	3.2	21.0	34.0
POHS0624-R33M	0.33	3.7	4.1	18.0	22.0
POHS0624-R47M	0.47	6.0	6.5	13.5	21.0
POHS0624-R68M	0.68	8.7	9.4	11.0	18.0
POHS0624-R82M	0.82	10.6	11.8	10.0	17.0
POHS0624-1R0M	1.0	13	14.2	9.0	16.0
POHS0624-1R5M	1.5	18.5	21.2	7.5	15.0
POHS0624-2R2M	2.2	28	34.0	6.5	14.0
POHS0624-3R3M	3.3	36.5	51.6	5.0	13.0
POHS0624-4R7M	4.7	45	63.0	4.5	9.0
POHS0624-5R6M	5.6	66	73.0	4.0	8.0
POHS0624-6R8M	6.8	72.5	95.0	3.6	7.0
POHS0624-8R2M	8.2	84	106.0	3.0	6.5
POHS0624-100M	10.0	116	129.0	2.5	6.0

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

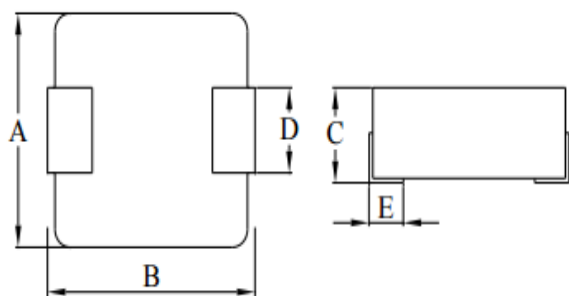
© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH0603

PACKAGING DIMENSION: [Unit: mm]



A	6.6±0.3
B	7.1±0.3
C	3.0 MAX
D	3.0±0.3
E	1.6±0.5

GENERAL SPECIFICATIONS:

P/N	LO Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH0603-R10M	0.10	1.5	1.7	32.5	60
ZCSH0603-R15M	0.15	1.9	2.5	26	52
ZCSH0603-R20M	0.20	2.4	3.0	24	41
ZCSH0603-R22M	0.22	2.5	2.8	23	40
ZCSH0603-R33M	0.33	3.5	3.9	20	30
ZCSH0603-R47M	0.47	4.0	4.2	17.5	26
ZCSH0603-R68M	0.68	5.0	5.5	15.5	25
ZCSH0603-R82M	0.82	6.7	8.0	13	24
ZCSH0603-1R0M	1.0	9	10.0	11	22
ZCSH0603-1R5M	1.5	14	15.0	9	18
ZCSH0603-2R2M	2.2	18	20.0	8	14
ZCSH0603-3R3M	3.3	28	30.0	6	13.5
ZCSH0603-4R7M	4.7	37	40.0	5.5	10
ZCSH0603-6R8M	6.8	54	60.0	4.5	8
ZCSH0603-8R2M	8.2	64	68.0	4	7.5
ZCSH0603-100M	10.0	102	105.0	3	7

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

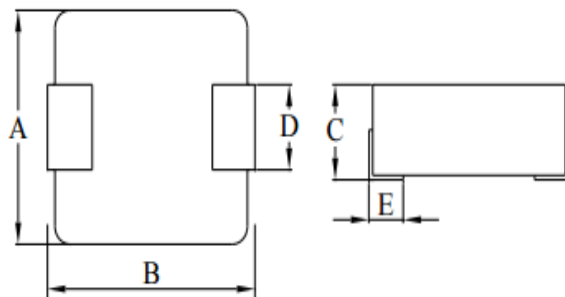
© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH1040

PACKAGING DIMENSION: [Unit: mm]



A	10.5 ± 0.5
B	11.5 ± 1.0
C	4.0 MAX
D	3.0 ± 0.5
E	2.5 ± 0.5

GENERAL SPECIFICATIONS:

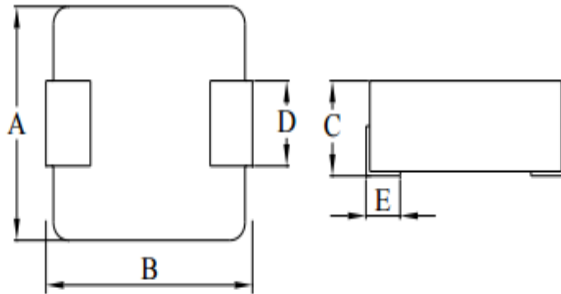
P/N	LO Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH1040-R19M	0.19	0.50	0.60	44	44
ZCSH1040-R24M	0.24	0.70	0.80	38	38
ZCSH1040-R36M	0.36	0.85	0.95	35	35
ZCSH1040-R47M	0.47	1.20	1.40	32	32
ZCSH1040-R56M	0.56	1.30	1.50	30	30
ZCSH1040-R78M	0.78	1.60	1.70	25	25
ZCSH1040-1R0M	1.0	2.20	2.50	21	21
ZCSH1040-1R8M	1.8	4.50	5.00	15	15
ZCSH1040-2R0M	2.0	5.20	5.80	14	14
ZCSH1040-2R2M	2.2	5.50	6.30	14	16

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

© Typical Saturation DC Current would cause Lo to drop approximately 30%

△ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor**SERIES: ZCSH1235****PACKAGING DIMENSION: [Unit: mm]**

A	12.8 ± 0.5
B	13.5 ± 1.0
C	3.5 ± 0.5
D	3.8 REF
E	2.5 REF

GENERAL SPECIFICATIONS:

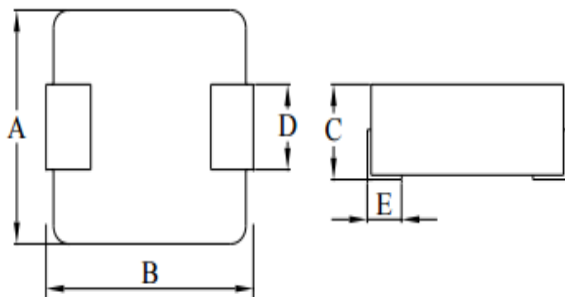
P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH1235-R10M	0.10	0.8	0.96	43	84
ZCSH1235-R15M	0.15	1.0	1.2	41	75
ZCSH1235-R22M	0.22	1.1	1.3	38.5	65
ZCSH1235-R33M	0.33	1.3	1.5	36.5	62
ZCSH1235-R47M	0.47	1.6	2.0	32	55
ZCSH1235-R60M	0.60	1.8	2.2	29	51
ZCSH1235-R68M	0.68	2.3	2.5	28	49
ZCSH1235-R82M	0.82	2.6	3.0	25	44
ZCSH1235-1R0M	1.0	3.3	3.5	24	40
ZCSH1235-1R5M	1.5	5.1	5.5	19	35
ZCSH1235-1R8M	1.8	6.5	7.0	16.5	30
ZCSH1235-2R2M	2.2	7.2	8.0	16	29
ZCSH1235-3R3M	3.3	11.0	12.0	12	27
ZCSH1235-4R7M	4.7	14.3	15.0	10	24
ZCSH1235-5R6M	5.6	17.1	18.0	9.5	19
ZCSH1235-6R8M	6.8	19.8	22.0	9	18
ZCSH1235-8R2M	8.2	24.8	28.0	8.5	16
ZCSH1235-100M	10	30.4	34.0	7	14

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor**SERIES: ZCSH1250****PACKAGING DIMENSION: [Unit: mm]**

A	12.8 ± 0.5
B	13.5 ± 1.0
C	5.0 MAX
D	3.8 REF
E	2.5 REF

GENERAL SPECIFICATIONS:

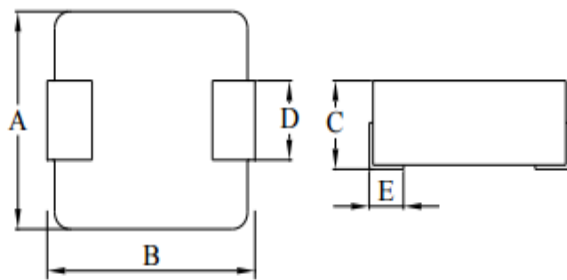
P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH1250-R10M	0.10	0.53	0.60	55	118
ZCSH1250-R22M	0.22	0.64	0.80	51	110
ZCSH1250-R33M	0.33	0.85	1.10	42	80
ZCSH1250-R47M	0.47	1.10	1.30	38	65
ZCSH1250-R56M	0.56	1.30	1.50	36	55
ZCSH1250-R68M	0.68	1.50	1.70	34	54
ZCSH1250-R82M	0.82	2.00	2.30	31	53
ZCSH1250-1R0M	1.0	2.10	2.50	29	50
ZCSH1250-1R2M	1.2	2.80	3.50	25	49
ZCSH1250-1R5M	1.5	3.40	4.10	23	48
ZCSH1250-1R8M	1.8	4.20	4.90	19	40
ZCSH1250-2R2M	2.2	4.60	5.50	20	32
ZCSH1250-3R3M	3.3	7.70	9.20	15	32
ZCSH1250-4R7M	4.7	12.8	15.0	12	27
ZCSH1250-5R6M	5.6	14.0	16.5	11.5	22
ZCSH1250-6R8M	6.8	15.4	18.5	11	21
ZCSH1250-7R8M	7.8	17.2	20.5	10	18
ZCSH1250-8R2M	8.2	18.9	22.5	9.5	18
ZCSH1250-100M	10	21.4	25.5	9	16

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

© Typical Saturation DC Current would cause Lo to drop approximately 30%

△ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor**SERIES: ZCSH1265****PACKAGING DIMENSION: [Unit: mm]**

A	12.8 ± 0.5
B	13.5 ± 1.0
C	6.5 MAX
D	3.8 REF
E	2.5 REF

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp) Typical	Isat (Amp) Typical
ZCSH1265-R10M	0.10	0.47	0.50	60	120
ZCSH1265-R15M	0.15	0.53	0.60	55	118
ZCSH1265-R22M	0.22	0.63	0.70	53	112
ZCSH1265-R30M	0.30	0.70	0.80	48	72
ZCSH1265-R33M	0.33	0.83	0.90	46	65
ZCSH1265-R40M	0.40	0.90	1.00	44	64
ZCSH1265-R47M	0.47	1.00	1.20	41	63
ZCSH1265-R56M	0.56	1.20	1.40	37	62
ZCSH1265-R68M	0.68	1.40	1.60	35	60
ZCSH1265-R82M	0.82	1.60	1.90	33	50
ZCSH1265-1R0M	1.0	1.70	2.00	32	49
ZCSH1265-1R2M	1.2	2.10	2.50	30	48
ZCSH1265-1R5M	1.5	2.50	3.00	27	45
ZCSH1265-1R8M	1.8	2.80	3.20	24	41
ZCSH1265-2R2M	2.2	3.50	4.20	22	40
ZCSH1265-3R3M	3.3	5.70	6.80	18	35
ZCSH1265-4R7M	4.7	9.30	11.2	13.5	30
ZCSH1265-5R6M	5.6	11.8	12.8	12.0	26.5
ZCSH1265-6R8M	6.8	13.1	14.0	11.5	16.5
ZCSH1265-8R2M	8.2	14.5	15.5	10.5	16
ZCSH1265-100M	10	15.8	16.8	10	15.5
ZCSH1265-150M	15	25.0	29.0	6	9
ZCSH1265-220M	22	34.0	39.5	5	7.5
ZCSH1265-330M	33	55.0	65.0	4	6
ZCSH1265-470M	47	80.0	92.0	3	5

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

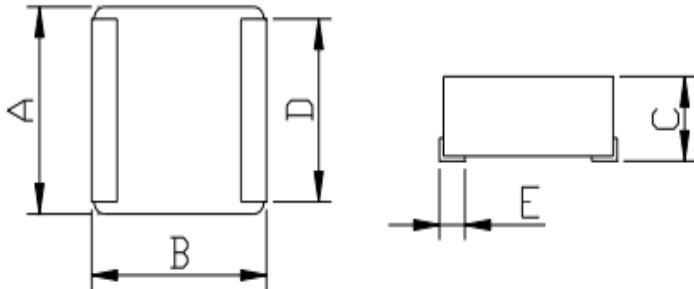
© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH1350

PACKAGING DIMENSION: [Unit: mm]



A	12.6 ± 0.5
B	13.45 ± 1.0
C	4.8 MAX
D	6.0 REF
E	2.5 REF

GENERAL SPECIFICATIONS:

Part No.	Inductance	DC Resistance		Heating Rating Current	Saturation Current
	L0 (μH)	DCR (mΩ)		I _{dc} (A)	I _{sat} (A)
	±20 %, 100 kHz, 1V	TYP.	MAX.	TYP.	TYP.
ZCSH1350-R22M	0.22	0.5	0.7	50.0	75.0
ZCSH1350-R36M	0.36	0.74	0.85	42.0	50.0
ZCSH1350-R50M	0.5	1.1	1.15	38.0	48.0
ZCSH1350-R68M	0.68	1.35	1.55	33.0	46.0
ZCSH1350-R82M	0.82	1.45	1.67	30.0	39.0
ZCSH1350-1R0M	1.0	1.9	2.2	26.0	35.0
ZCSH1350-1R5M	1.5	2.8	3.2	23.0	33.0
ZCSH1350-2R2M	2.2	4.0	5.0	15.0	24.0
ZCSH1350-3R3M	3.3	5.9	7.0	14.0	22.0
ZCSH1350-4R7M	4.7	8.2	9.0	13.0	21.0
ZCSH1350-6R8M	6.8	14.5	18.0	12.0	16.0
ZCSH1350-100M	10.0	19.0	22.0	9.0	12.0
ZCSH1350-220M	22.0	51.0	58.0	4.5	6.5
ZCSH1350-330M	33.0	75.0	84.0	3.5	6.0
ZCSH1350-470M	47.0	116.0	130.0	3.0	5.0

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

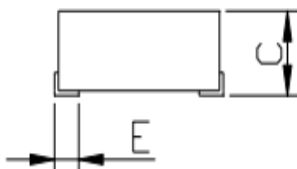
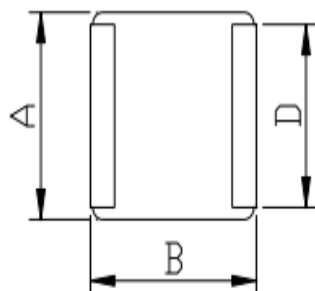
© Typical Saturation DC Current would cause L₀ to drop approximately 30%

Δ Operating Temperature Range: -55°C to +125°C

PRODUCT: Power Inductor

SERIES: ZCSH1770

PACKAGING DIMENSION: [Unit: mm]



A	17.15 MAX
B	18.0 ± 0.3
C	7.0 MAX
D	11.94 ± 0.3
E	2.11 ± 0.3

GENERAL SPECIFICATIONS:

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
ZCSH1770-R82M	0.82	0.98	1.08	56.5	45
ZCSH1770-1R0M	1.0	1.21	1.27	55.5	32
ZCSH1770-1R5M	1.5	1.54	1.62	48	31
ZCSH1770-2R2M	2.2	1.85	1.98	43.5	28
ZCSH1770-3R3M	3.3	2.79	2.93	35	27
ZCSH1770-4R7M	4.7	3.98	4.18	30	21
ZCSH1770-5R6M	5.6	4.23	4.44	28	21
ZCSH1770-6R8M	6.8	5.86	6.15	22.5	18.5
ZCSH1770-8R2M	8.2	7.71	8.10	21	18
ZCSH1770-100M	10	8.89	9.33	19	17
ZCSH1770-150M	15	13.7	14.4	14	12
ZCSH1770-220M	22	20.0	21.0	12	9.5
ZCSH1770-330M	33	35.1	37.0	10.7	9
ZCSH1770-470M	47	40.7	42.7	8.7	8.6
ZCSH1770-560M	56	55.0	57.8	7.2	4.2
ZCSH1770-680M	68	72.1	75.7	6.1	4.5
ZCSH1770-820M	82	87.3	91.7	5.5	4.5
ZCSH1770-101M	100	105.0	110.0	5.0	4.0

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

© Typical Saturation DC Current would cause Lo to drop approximately 30%

Δ Operating Temperature Range: -55°C to +125°C