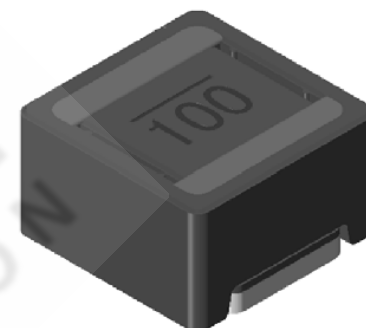
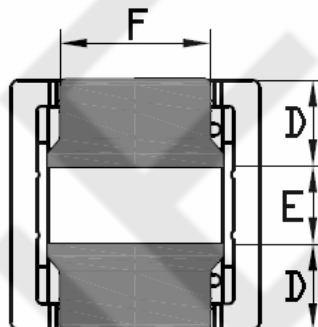
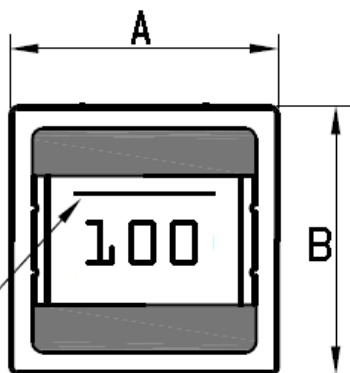


MECHANICAL (mm)



MARKING

TOP LINE INDICATES
TERMINAL SIDE OF
WINDING START

PART PHOTO

A	B	C	D	E	F
4.80±0.20	4.80±0.20	2.80±0.20	1.60±0.20	1.60±0.20	2.90±0.20

MOXIE NOTES:

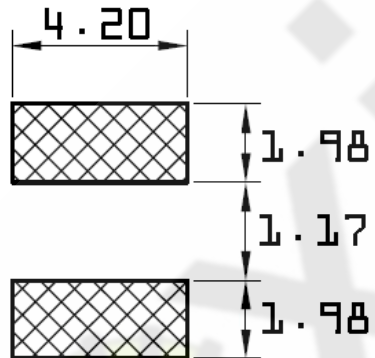
- RoHS Compliant.
- Ferrite drum core construction.
- Magnetically shielded.
- Enamelled copper wire:H class.
- Product weight:0.265 g(ref.)
- Moisture sensitivity Level 1.
- Halogen free.
- Operating temperature range: -40°C to +125°C.
- Storage temperature range: -40°C to +125°C.
- Packaging: Tape & Reel (500 pieces per reel)
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: .xx ±.25mm
- **PROPRIETARY: Document is property of MoxiE Inductor Corporation & is not to be duplicated without authorization.**



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SMD POWER INDUCTOR

MOXIE SPI-4848 SERIES

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ELECTRICAL @ 25°C

MOXIE PART NUMBER	INDUCTANCE (μ H)	RDC (m Ω)		SRF (MHz) typ.	Isat (A) typ.	Irms1 (A) typ.	Irms2 (A) typ.
		typ.	max.				
MOX-SPI-4848-1R2N	1.2 \pm 30%	18.5	24.0	155.0	3.00	3.50	5.00
MOX-SPI-4848-1R8N	1.8 \pm 30%	22.7	30.0	105.0	2.50	3.00	4.60
MOX-SPI-4848-2R7N	2.7 \pm 30%	26.2	34.0	80.0	2.20	2.50	4.00
MOX-SPI-4848-3R9N	3.9 \pm 30%	36.3	47.0	60.0	1.80	2.20	3.40
MOX-SPI-4848-4R7N	4.7 \pm 30%	41.4	54.0	50.0	1.60	2.10	3.00
MOX-SPI-4848-6R8N	6.8 \pm 30%	57.0	74.0	40.0	1.30	1.65	2.60
MOX-SPI-4848-8R2N	8.2 \pm 30%	66.8	87.0	35.0	1.25	1.60	2.40
MOX-SPI-4848-100M	10.0 \pm 20%	76.4	100.0	30.0	1.10	1.50	2.30
MOX-SPI-4848-120M	12.0 \pm 20%	100.0	125.0	27.0	0.95	1.35	2.00
MOX-SPI-4848-150M	15.0 \pm 20%	108.8	145.0	25.0	0.92	1.30	1.80
MOX-SPI-4848-180M	18.0 \pm 20%	125.0	160.0	22.0	0.80	1.20	1.70
MOX-SPI-4848-220M	22.0 \pm 20%	145.9	185.0	20.0	0.68	1.10	1.55
MOX-SPI-4848-330M	33.0 \pm 20%	208.2	260.0	15.0	0.60	0.90	1.40
MOX-SPI-4848-470M	47.0 \pm 20%	215.0	270.0	13.0	0.47	0.88	1.20

MOXIE ELECTRICAL NOTES:

- Inductance Test Freq :100kHz /0.1V.
- Isat base on Δ L / LOA=35% typ.(Approximately transient current)
- Irms1 base on Temp. rise 20°C typical.
- Irms2 base on Temp. rise 40°C typical.
- **PROPRIETARY: Document is property of Moxie Inductor Corporation & is not to be duplicated without authorization.**

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SMD POWER INDUCTOR

MOXIE SPI-4848 SERIES

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REV. B

DWG #: MOXSPI4848

ELECTRICAL @ 25°C

MOXIE PART NUMBER	INDUCTANCE (μ H)	RDC ($m\Omega$)		SRF (MHz) typ.	Isat (A) typ.	Irms1 (A) typ.	Irms2 (A) typ.
		typ.	max.				
MOX-SPI-4848-560M	56.0 \pm 20%	260.4	320.0	12.0	0.40	0.85	1.05
MOX-SPI-4848-680M	68.0 \pm 20%	294.3	370.0	11.0	0.38	0.80	0.90
MOX-SPI-4848-820M	82.0 \pm 20%	381.9	480.0	10.0	0.35	0.70	0.85
MOX-SPI-4848-101M	100.0 \pm 20%	495.3	600.0	8.5	0.33	0.65	0.70
MOX-SPI-4848-121M	120.0 \pm 20%	630.0	760.0	8.0	0.30	0.50	0.65
MOX-SPI-4848-151M	150.0 \pm 20%	713.9	860.0	7.0	0.28	0.45	0.60
MOX-SPI-4848-181M	180.0 \pm 20%	899.1	1080.0	6.0	0.26	0.43	0.55
MOX-SPI-4848-221M	220.0 \pm 20%	1000.7	1250.0	5.5	0.24	0.41	0.50
MOX-SPI-4848-271M	270.0 \pm 20%	1418.0	1700.0	5.0	0.21	0.40	0.45
MOX-SPI-4848-331M	330.0 \pm 20%	1552.8	1800.0	4.5	0.20	0.32	0.40
MOX-SPI-4848-391M	390.0 \pm 20%	2057.5	2400.0	4.0	0.17	0.30	0.35
MOX-SPI-4848-471M	470.0 \pm 20%	2312.3	2600.0	3.3	0.16	0.27	0.33
MOX-SPI-4848-561M	560.0 \pm 20%	2605.5	3000.0	3.0	0.15	0.25	0.30

MOXIE ELECTRICAL NOTES:

- Inductance Test Freq :100kHz /0.1V.
- Isat base on Δ L / LOA=35% typ.(Approximately transient current)
- Irms1 base on Temp. rise 20°C typical.
- Irms2 base on Temp. rise 40°C typical.
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SMD POWER INDUCTOR

MOXIE SPI-4848 SERIES

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REV. B

DWG #: MOXSPI4848