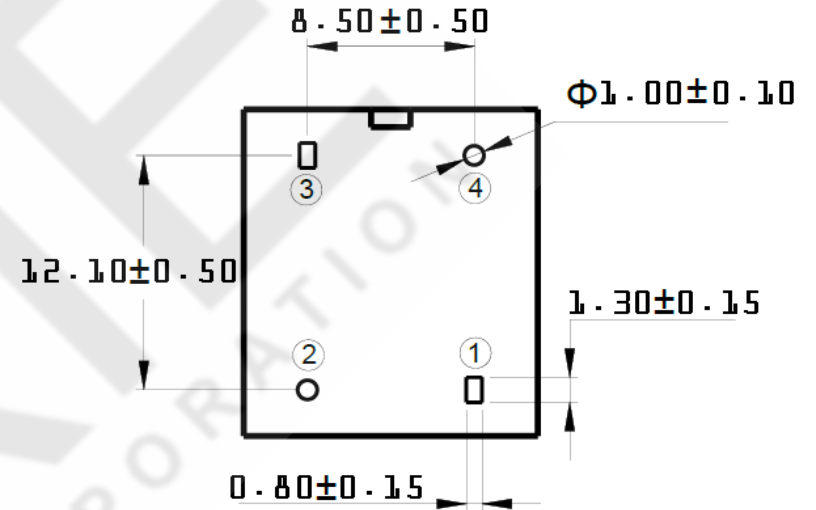
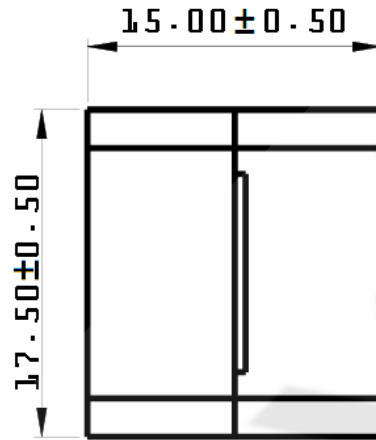
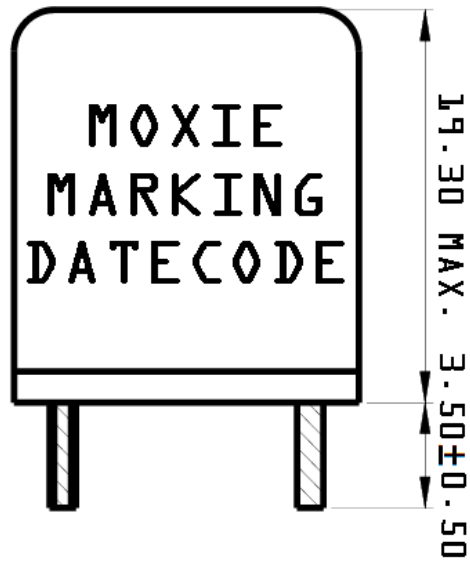


MECHANICAL (mm)



MOXIE NOTES:

- Industry leading sound quality by utilizing oxygen free copper wire. (OFC)
- Magnetically shielded structure provides excellent resistance to electromagnetic interference. (EMI)
- High inductance, high current, low ESR and low magnetic loss.
- Operating temperature: -40°C to +125°C. (Including coil's temperature rise)
- Storage temperature: -40°C to +85°C.
- Measurement Frequency for Inductance : 1kHz/1.0V
- Saturation current: The actual value of DC current when the inductance decreases 25% in initial value.
- Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C (Ta=25).
- RoHS Compliant.
- Packaging: Tape & 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: 0-10=±0.15, 10-20=±0.20, 20-40=±0.25, 40-70=±0.30, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

DIGITAL AMPLIFIER INDUCTOR

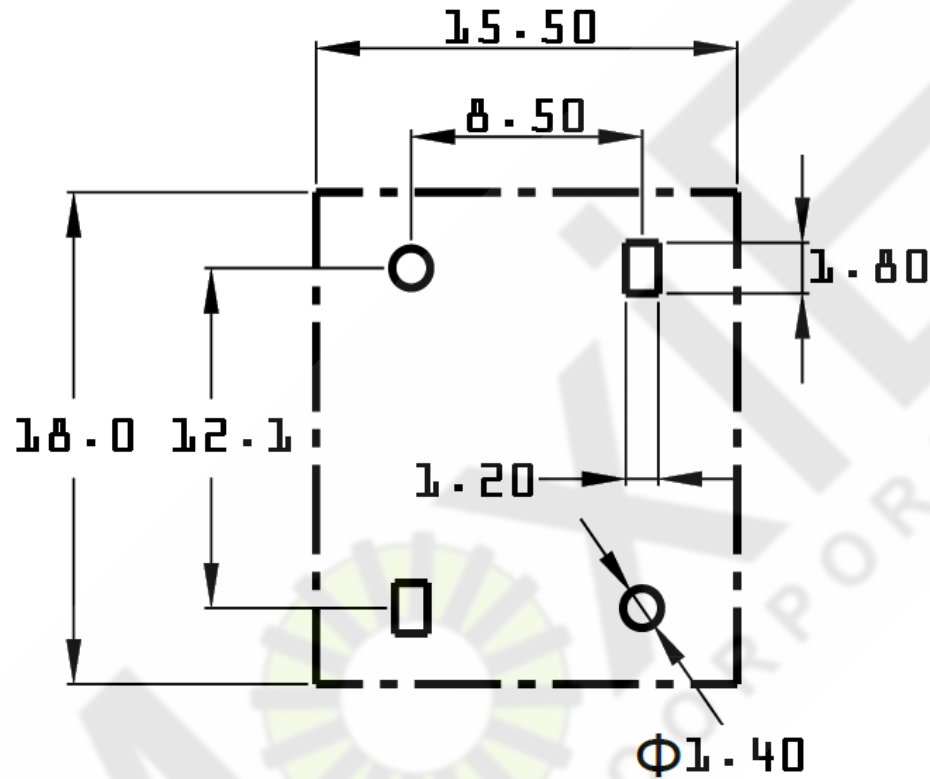
MOXIE MOX-DAI-1755 SERIES

PAGE 1/4

REV. -

DWG #: MOXDAI1755

PCB LAYOUT (mm)



MOXIE NOTES:

- Industry leading sound quality by utilizing oxygen free copper wire. (OFC)
- Magnetically shielded structure provides excellent resistance to electromagnetic interference. (EMI)
- High inductance, high current, low ESR and low magnetic loss.
- Operating temperature: -40°C to +125°C. (Including coil's temperature rise)
- Storage temperature: -40°C to +85°C.
- Measurement Frequency for Inductance : 1kHz/1.0V
- Saturation current: The actual value of DC current when the inductance decreases 25% in initial value.
- Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 40^{\circ}\text{C}$ ($T_a=25$).
- RoHS Compliant.
- Packaging: Tape & 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: 0-10= ± 0.15 , 10-20= ± 0.20 , 20-40= ± 0.25 , 40-70= ± 0.30 , ≥ 70 = ± 0.40

MoxiE
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

DIGITAL AMPLIFIER INDUCTOR

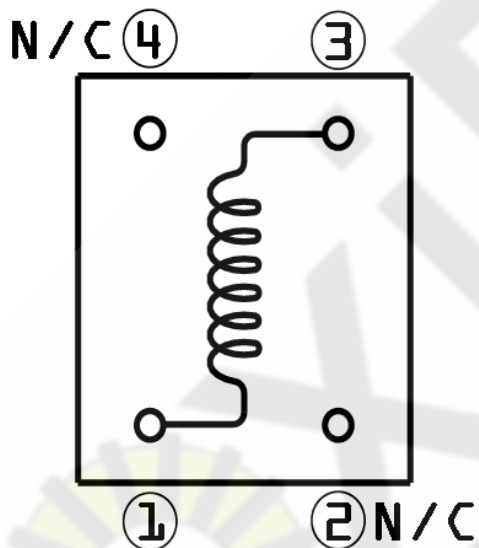
MOXIE MOX-DAI-1755 SERIES

PAGE 2/4

REV. -

DWG #: MOXDAI1755

SCHEMATIC



MOXIE NOTES:

- Industry leading sound quality by utilizing oxygen free copper wire. (OFC)
- Magnetically shielded structure provides excellent resistance to electromagnetic interference. (EMI)
- High inductance, high current, low ESR and low magnetic loss.
- Operating temperature: -40°C to $+125^{\circ}\text{C}$. (Including coil's temperature rise)
- Storage temperature: -40°C to $+85^{\circ}\text{C}$.
- Measurement Frequency for Inductance : $1\text{kHz}/1.0\text{V}$
- Saturation current: The actual value of DC current when the inductance decreases 25% in initial value.
- Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 40^{\circ}\text{C}$ ($T_a=25$).
- RoHS Compliant.
- Packaging: Tape & 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: $0-10=\pm 0.15$, $10-20=\pm 0.20$, $20-40=\pm 0.25$, $40-70=\pm 0.30$, $\geq 70=\pm 0.40$

MoxiE
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

DIGITAL AMPLIFIER INDUCTOR

MOXIE MOX-DAI-1755 SERIES

PAGE 3/4

REV. -

DWG #: MOXDAI1755

MOXIE PART NUMBER	INDUCTANCE (μ H) $\pm 20\%$	DCR (m Ω) TYPICAL	DCR (m Ω) MAXIMUM	SATURATION CURRENT (A) TYPICAL	TEMPERATURE RISE CURRENT (A) TYPICAL
MOX-DAI-1755-7ROM	7.00	5.90	7.10	33.80	19.50
MOX-DAI-1755-100M	10.00	7.25	8.75	29.10	17.50
MOX-DAI-1755-120M	12.00	7.25	8.75	25.20	17.50
MOX-DAI-1755-150M	15.00	7.25	8.75	20.50	17.50
MOX-DAI-1755-180M	18.00	7.25	8.75	17.75	17.50
MOX-DAI-1755-220M	22.00	7.25	8.75	14.50	17.50
MOX-DAI-1755-330M	33.00	7.25	8.75	9.50	17.50

MOXIE NOTES:

- Industry leading sound quality by utilizing oxygen free copper wire. (OFC)
- Magnetically shielded structure provides excellent resistance to electromagnetic interference. (EMI)
- High inductance, high current, low ESR and low magnetic loss.
- Operating temperature: -40°C to +125°C. (Including coil's temperature rise)
- Storage temperature: -40°C to +85°C.
- Measurement Frequency for Inductance : 1kHz/1.0V
- Saturation current: The actual value of DC current when the inductance decreases 25% in initial value.
- Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 40^\circ\text{C}$ ($T_a=25$).
- RoHS Compliant.
- Packaging: Tape & 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: 0-10 \pm 0.15, 10-20 \pm 0.20, 20-40 \pm 0.25, 40-70 \pm 0.30, \geq 70 \pm 0.40

Moxie
INDUCTOR CORPORATION

(888) 535-5207 WWW.MOXIEINDUCTORS.COM

DIGITAL AMPLIFIER INDUCTOR

MOXIE MOX-DAI-1755 SERIES

PAGE 4/4

REV. -

DWG #: MOXDAI1755