

MTF-420XX SERIES

Flat Helix Winding Coils

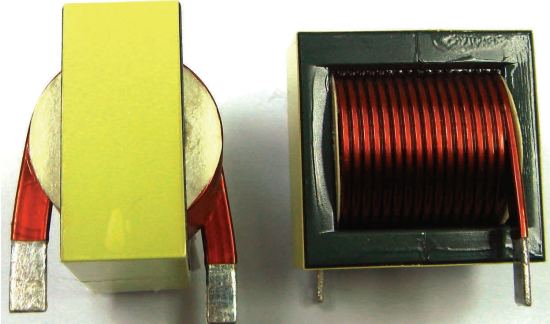
MINNTRONIX

Wind Up the Best®



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MTF-420XX SERIES



- Designed for high current, high volt•time applications
- Low DCR, low loss, reduced size, high efficiency, less temperature rise
- Winding to core isolation is 500 Vrms

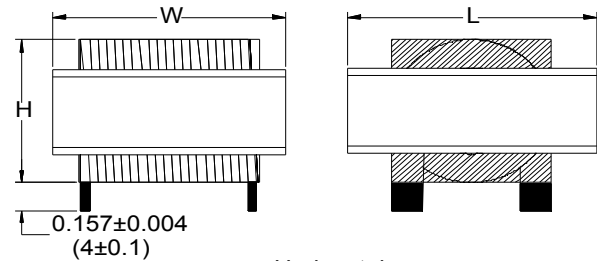
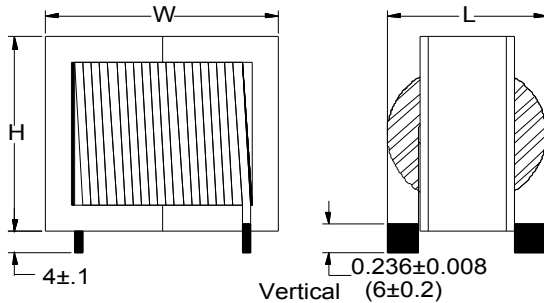
MTF-4201X-420

Inductance Value

Version (V) Vertical or (H) Horizontal

Dimensions Size

Mechanical Dimensions:



Unit: Inch (mm)

Size (Typ)	4201		4202		4203	
	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal
L inch (mm)	1.26 (32.0)	1.69 (42.93)	1.26 (32.0)	1.69 (42.93)	1.26 (32.0)	1.69 (42.93)
W inch (mm)	1.06 (26.92)	1.06 (26.92)	1.38 (35.05)	1.38 (35.05)	1.69 (42.93)	1.69 (42.93)
H inch (mm)	1.69 (42.93)	1.26 (32.0)	1.69 (42.93)	1.26 (32.0)	1.69 (42.93)	1.26 (32.0)

Electrical Specifications at 25°C

Part Number	Inductance ^{1,2} (uH)		Isat ³ (Adc)	DCR (mΩ) Max @ 20°C	Mounting Holes Pattern (mm)
	@ 0 ADC	@ Isat			
MTF-4201X-420	48	42	20	5.4	1.5 x 7.5
MTF-4201X-300	32	30	25	3.3	1.7 x 7.5
MTF-4201X-110	15	11	39	1.5	2.3 x 7.5
MTF-4201X-5R5	9.0	5.5	52	0.9	2.7 x 7.5
MTF-4202X-770	80	77	16	9.0	1.5 x 7.5
MTF-4202X-520	55	52	20	5.9	1.7 x 7.5
MTF-4202X-190	22	19	33	2.3	2.3 x 7.5
MTF-4202X-130	16	13	40	1.5	2.7 x 7.5
MTF-4203X-261	260	255	6.5	18	1.5 x 7.5
MTF-4203X-201	200	200	10	10.5	1.5 x 7.5
MTF-4203X-340	38	34	26	3.5	2.3 x 6.5
MTF-4203X-500	55	50	30	5.0	1.9 x 6.5
MTF-4203X-4R0	6.5	4.0	75	0.5	4.5 x 7.5

1. Inductance tested at 100kHz, 0.1 Vrms
2. Inductance tolerance ± 20%
3. Inductance drop = 20% typ. At rated Isat.
4. Δ T = 130°C rise typ.
5. Operating temperature range -25°C to +100°C

Specifications subject to change. Custom versions of any Minntronix Products are available upon request.