elytone

ETF-490X

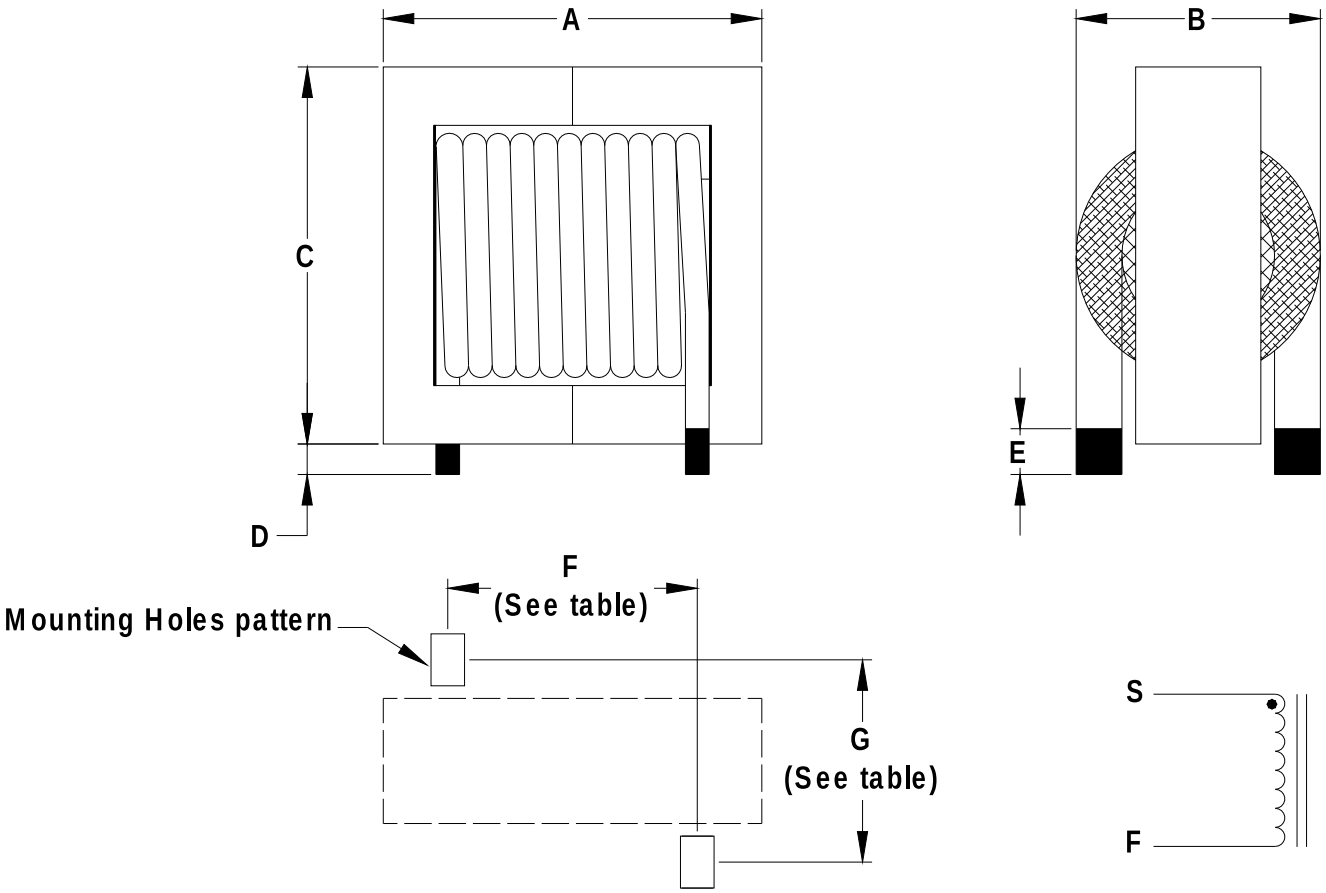
Series



High Current Inductor

- Designed for Flat Helix Winding Coil high current, high volt*time applications
- Lowest DCR, lower loss, reduce size, high efficiency, less Temperature
- Winding to core isolation is 500Vrms
- Operating temperature range -25°C to +100°C (Including coil's self temperature rise)
- Storage temperature range -25°C to +100°C
- The temp. rise: Δt 40, The value of DC current when temp (Ta = 25°C)
- Electrical specifications at 25°C

ETF-490X Series



RECOMMENDED PCB LAYOUT

UNIT:mm

Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
	51 Max	37 Max	51 Max	4±1	6±2

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ETF-490X Series

Part No.	Inductance*1 (μH)	Saturation current (A)				DCR (mΩ) Max	Mounting Holes Pattern (mm)	PIN Pitch Size (F x G)
		25°C		130°C				
		L*2 (μH)	Isat (ADC)	L(μH)	Isat (ADC)			
ETF-4901-161	160 ± 20%	150.0	14	65.0	13.6	14.0	1.5 x 7.5	36.0 x 28.0
ETF-4901-940	100 ± 20%	92.0	18	51.0	16.2	8.6	1.7 x 7.5	36.0 x 28.0
ETF-4901-370	41 ± 20%	36.5	28	28.8	24.6	3.9	2.3 x 7.5	36.0 x 26.0
ETF-4901-240	27.5 ± 20%	24.0	35	7.7	34.7	2.2	2.7 x 7.5	36.0 x 26.0
ETF-4901-130	16.5 ± 20%	13.0	47	10.3	42.6	1.4	3.3 x 7.5	34.5 x 26.0
ETF-4901-8R0	11 ± 20%	9.0	17	8.5	17.0	1.0	3.7 x 7.5	37.5 x 29.0
ETF-4901-6R0	9.0 ± 20%	7.0	16	6.0	16.0	0.7	4.5 x 7.5	33.5 x 29.0

*1 Inductance measuring condition: at 100kHz, 0.1Vrms
*2 The saturation current (Isat): indicates the DC current at which the inductance drops by about 20%