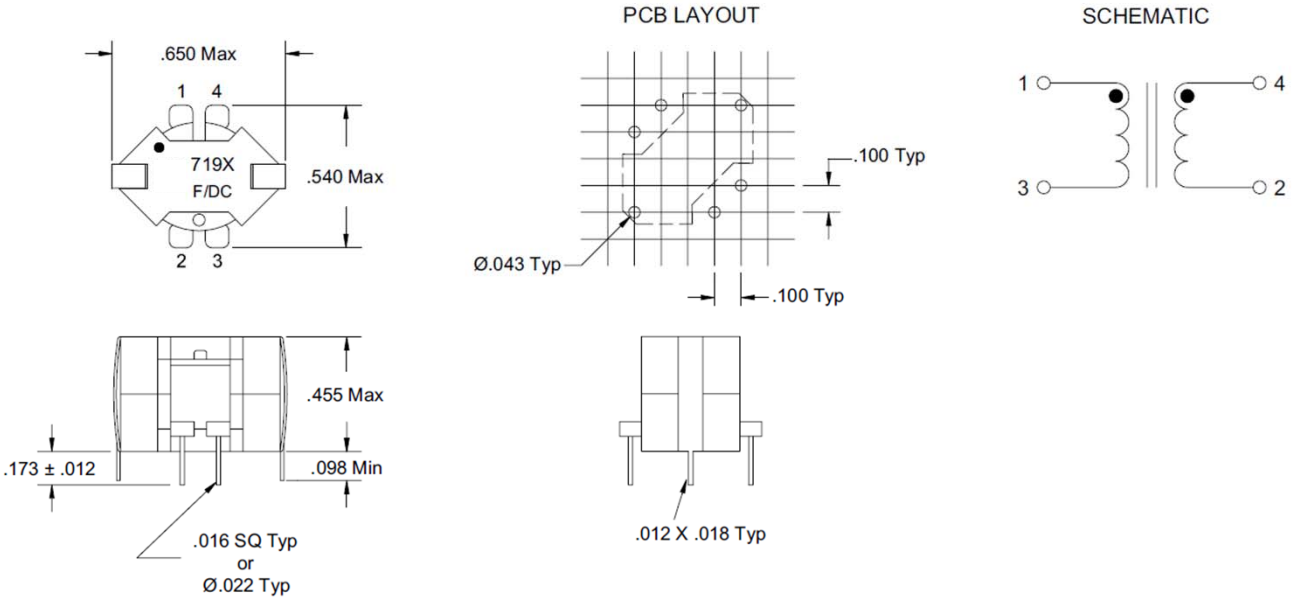
Electromagnetic Integrated Solutions
8061 Avonia Road, Fairview, PA 16415
P: +1 (814) 474 1571
E: eisSales@apitech.com
http://eis.apitech.com

ADSL Filter Inductors 7191 - 7194

- Low cost through hole design
- Designed for use in ADSL applications where filtering is required
- Balanced winding
- Operating temperature range: -40°C to +85°C
- Units can withstand 100A surge of 10/700 µs pulse
- Flame retardant UL 94 V-0



Mechanical and Schematic (All dimensions in inches)



UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ±0.010

ELECTRICAL SPECIFICATION @ 25°C

Part Number	Turns Ratio ±2%	Inductance (mH)		DCR (Ω)		Leakage Inductance (µH MAX)	Dielectric Rating (Vrms)
	(1-3) : (4-2) @ 20 kHz, 1 Vrms	(1-3) @ 10 kHz, 0.1 Vrms	(1-3) MIN	(1-3)	(4-2)	(1-3) @ 100 kHz, 0.1 Vrms	between (1-3) & (4-2) and 1, 2 and core
7191	1 : 1	3 – 3.3	2.85[1]	2.1 – 2.7	2.1 – 2.7	5	1000
7192	1 : 1	2.4 – 2.65	2.3[1]	3.0 – 3.6	3.0 – 3.6	5	1000
7193	1 : 1	4.3 – 4.73	4.1[1]	4.0 – 5.1	4.0 – 5.1	6	1000
7194	1 : 1	7.6 – 8.4	7.3[2]	4.3 – 5.8	4.3 – 5.8	6	1000

1. Measured @ 10 kHz, 0.1 Vrms, 100 mA DC
2. Measured @ 10 kHz, 0.1 Vrms, 40 mA DC