

FSQ series (Rev. 4.0)



Features

- * RoHS compliant
- * With four lines for voice and data line

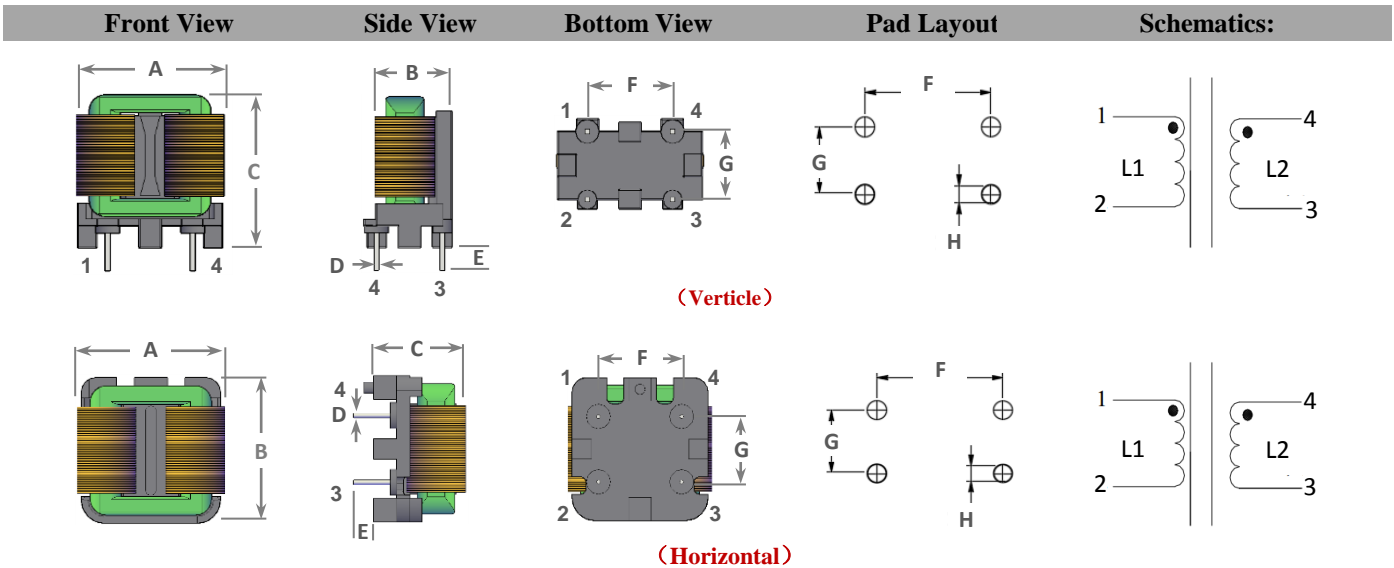
Product Identification

FSQ 1515 - 103 I □

1 2 3 4 5

1. Product Code
2. Core Size Code (L*W): 15 * 15mm
3. Inductance: 10mH
4. I: Minimum
5. Various type: V-vertical; H-horizontal

Dimension & Recommended Pad Layout: [mm]



Type	Size Code	A(ref.)	B(ref.)	C(max.)	D(±0.1)	E(±0.5)	F(±0.5)	G(±0.5)	H(ref.)
Vertical	FSQ0810	16.0	9.5	12.0	0.6	3.5	7.0	4.5	1.0
	FSQ1212	19.5	12.5	17.0	0.8	3.5	11.0	8.0	1.2
	FSQ1515	20.5	11.5	18.5	0.7	3.5	10.0	7.5	1.2
	FSQ1515B	21.0	14.5	19.0	0.8	3.5	12.5	10.0	1.2
	FSQ1515C	21.0	14.5	19.0	0.6	3.5	10.5	9.0	1.0
	FSQ1918	23.0	17.0	25.0	0.7	3.5	13.0	10.0	1.2
	FSQ1918B	22.5	14.0	26.0	0.7	3.5	12.5	10.0	1.2
	FSQ2418	23.0	17.0	32.0	0.8	3.5	13.0	10.0	1.2
	FSQ2820	27.0	18.0	35.0	0.8	3.5	17.0	15.0	1.2
Horizontal	FSQ1212	18.0	15.0	12.0	0.7	3.5	13.0	10.0	1.2
	FSQ1515	22.0	18.0	14.0	0.6	3.5	17.0	12.9	1.0
	FSQ1918	23.0	23.5	14.0	0.6	3.5	13.0	10.0	1.0
	FSQ1918B	22.5	20.5	13.0	0.6	3.5	17.0	15.0	1.0
	FSQ2418	23.0	26.0	14.5	0.8	3.5	16.5	21.0	1.2
	FSQ2820	27.0	30.0	18.0	0.8	3.5	17.0	21.5	1.2

Applications

- * Attenuating noise of analog and digital signals for telecommunication devices.
- * Prevention of interference from ambient radios, CB stations, or high frequency welders, etc.

Operating & Storage Condition :

- * Operating Temp Stand Type: -40 to +125 °C
- * Storage Temp Stand Type: -40 to +85 °C
- * Storage Life Time : 12 months @25 °C, RH 65%

Test Equipment :

- * HP4284A, HP42841A-L, IDC, Q, RDC
- * HP8753D NETWORK ANALYZER-SRF

Standard Atmospheric Conditions :

- * Ambient Temp : 20+/-15 °C
- * Relative Humidity : 65+/-20%

FSQ series (Rev. 4.0)

Electrical Characteristics

Part No.	Wire Diameter (mm)	Inductance (mH) min.	DCR (mΩ) typ.	IDC (A) max.
FSQ0810	0.15 * 1.00	1.20	41.0	1.5
FSQ1212	0.10 * 1.00	18.0	180.0	1.0
FSQ1212	0.13 * 1.00	13.0	132.0	1.3
FSQ1212	0.40 * 1.25	0.80	12.6	5.0
FSQ1515	0.13 * 1.0	20.0	167.0	1.3
	0.18 * 1.0	10.0	95.0	1.8
	0.15 * 1.0	13.0	145.0	1.5
	0.15 * 1.5	13.0	89.0	2.2
	0.20 * 1.5	7.0	53.0	3.0
	0.25 * 1.5	4.5	40.0	3.8
	0.30 * 1.2	4.0	48.0	3.5
	0.4 * 1.25	0.8	12.5	5.0
FSQ1918	0.13 * 1.0	28.0	221.0	1.2
	0.15 * 1.5	20.0	118.0	2.2
	0.20 * 1.5	13.0	78.0	3.0
	0.25 * 1.5	8.0	58.0	3.7
	0.20 * 1.2	13.0	92.0	2.4
	0.25 * 1.2	8.0	60.0	3.0
	0.30 * 1.2	7.0	45.0	3.6
	0.30 * 1.5	7.0	36.0	4.5
FSQ2418	0.20 * 1.5	20.0	124.0	3.0
	0.25 * 1.5	16.0	72.0	3.7
	0.30 * 1.5	12.0	56.0	4.5
	0.35 * 1.5	10.0	42.0	5.2
	0.50 * 1.5	5.0	21.0	7.5
	0.55 * 1.5	4.0	18.0	8.2
	0.70 * 1.5	2.0	11.0	10.5
FSQ2820	0.20 * 1.5	28.0	136.0	3.0

* Test Condition: @1KHz / 0.25V ; Ambient temperature: 25°C .