

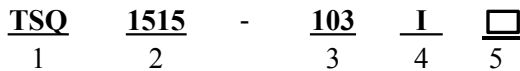
TSQ Series (Rev. 1.0)



Features

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

Product Identification



1. Product Code
2. Core Size Code
3. Inductance: 10mH
4. I: Minimum
5. Type: V-vertical; H-horizontal

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%

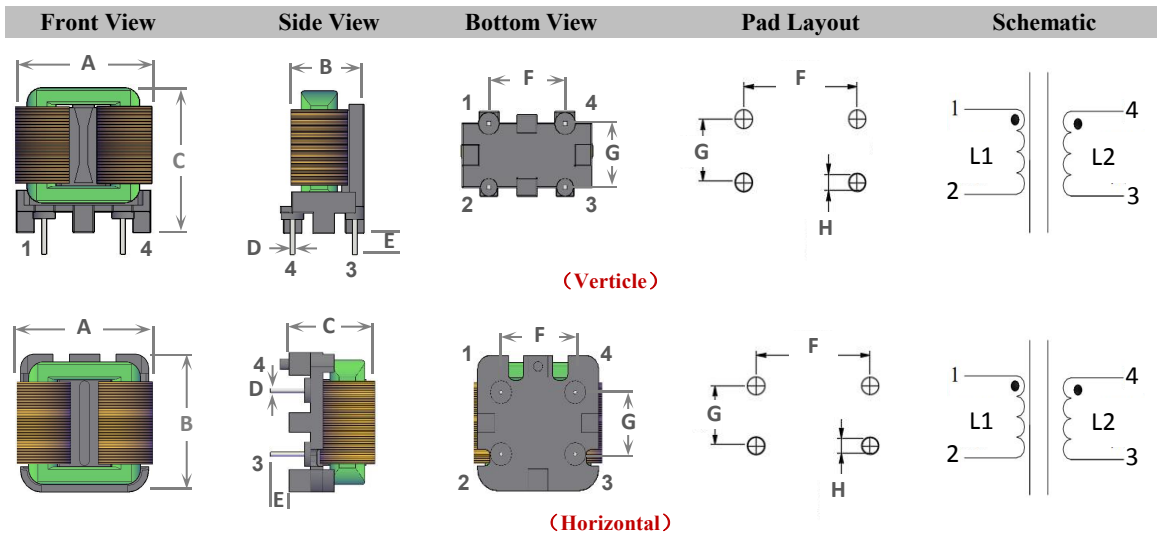
Test Equipment

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

Standard Atmospheric Conditions

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

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	0810	16.0	9.5	12.0	0.6	3.5	7.0	4.5	1.0
	1212	19.5	12.5	17.0	0.8	3.5	11.0	8.0	1.2
	1515	20.5	11.5	18.5	0.7	3.5	10.0	7.5	1.2
	1515B	21.0	14.5	19.0	0.8	3.5	12.8	10.0	1.2
	1515C	21.0	14.5	19.0	0.6	3.5	10.5	9.0	1.0
	1918	23.0	17.0	25.0	0.7	3.5	13.0	10.0	1.2
	1918B	22.5	14.0	26.0	0.7	3.5	12.5	10.0	1.2
	2418	23.0	17.0	32.0	0.8	3.5	13.0	10.0	1.2
Horizontal	2820	25.0	14.5	35.0	0.8	3.5	13.0	10.0	1.2
	1212	18.0	15.0	12.0	0.7	3.5	13.0	10.0	1.2
	1515	22.0	18.0	14.0	0.6	3.5	17.0	12.9	1.0
	1918	23.0	23.5	14.0	0.6	3.5	13.0	10.0	1.0
	1918B	22.5	20.5	13.0	0.6	3.5	17.0	15.0	1.0
	2418	23.0	26.0	14.5	0.8	3.5	16.5	21.0	1.2
2820	27.0	30.0	18.0	0.8	3.5	17.0	21.5	1.2	



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Electrical Characteristics

Part No.	Wire Diameter (mm)	Inductance (mH) min.	DCR (mΩ) typ.	IDC (A) max.
TSQ0810	0.15 * 1.00	1.20	41.0	1.5
TSQ1212	0.10 * 1.00	18.0	180.0	1.0
	0.13 * 1.00	13.0	132.0	1.3
	0.40 * 1.25	0.80	12.6	5.0
TSQ1515	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
TSQ1918	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
TSQ2418	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
TSQ2820	0.55 * 1.5	4.0	22.0	8.2
	0.20 * 1.5	28.0	136.0	3.0

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



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Specifications subject to change without any prior notice due to reasons such as upgrading.

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