



ST1 Series Tubular Feedthrough Ceramic Capacitors



Features

- Ready plated for soldering
- Available in C and Pi versions
- Available in many sizes
- Class I & II dielectrics available

Applications

- Feedthrough capacitors & pi filters
- Filtered connectors
- Filtered arrays

Specifications

Capacitance	From 10pF - 20nF
Rated Voltage	100-2000VDC
Isolation Resistance	>5000MΩ
Dissipation	<3,5%
Circuit Type	C or Pi
Temperature	-55°C to +85°C

Part Number Construction

Example: ST1-2.2×1.5×10.0-502MDCP II

ST1	22	15	100	502	M	D	B	P	II
Tubular Ceramic Capacitor	Outer Diameter	Inner Diameter	length	Capacitance	Capacitance Tolerance M: ±20% X: -15% Z: +80% P: -20% P: +100%	Ceramic Material A: NPO B: SI C: Y5P D: X7R E: Y5U F: Y5V	Withstand Voltage[DC] A: 3000V B: 1800V C: 1200V D: 600V F: 300V G: 900V	Circuit Type C: C type P: Pi type	Quality Level I : Aerospace grade II : Military grade III: CM grade

Note:
Withstand
Voltage

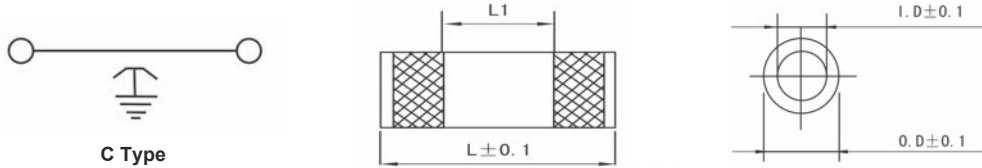
	Working Voltage DC	Withstanding Voltage DC
A	2000	3000
B	1000	1800
C	600	1200
D	200	600
E	100	300
F	300	900



Filtek Solutions

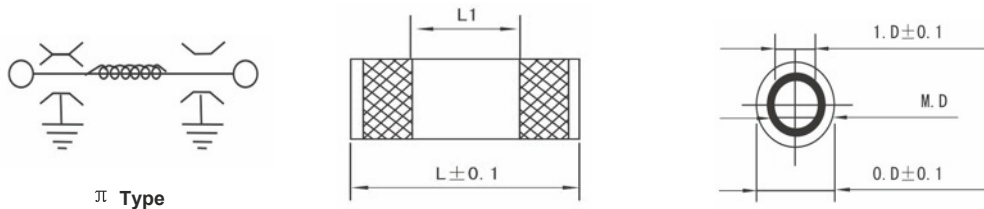
Design, manufacture & sales of EMC components

Order information for C type



Item	Part Number	Capacitance (pF)	OD (mm)	ID (mm)	L (mm)	L1 (mm)
1	ST1-1106	5-5600	1.1	0.6	4.2, 5.6	≥2.0
2	ST1-1408	5-5600	1.4	0.85	4.2, 6.0	≥2.0
3	ST1-1509	5-3600	1.5	0.9	4.2, 5.5, 6.0	≥2.0
4	ST1-1611	5-5600	1.6	1.1	4.2, 5.5, 6.0	≥2.0
5	ST1-1812	10-10000	1.8	1.2	6, 8, 10	≥2.0
6	ST1-1911	10-9000	1.9	1.1	4.2, 6, 8, 10	≥2.0
7	ST1-2013	10-6800	2	1.3	4.2, 6, 8	≥2.0
8	ST1-2215	10-6600	2	1.5	4.2, 6, 8, 10	≥2.0
9	ST1-2515	10-10000	2.5	1.5, 1.8	8, 10, 11.4	≥3.0
10	ST1-2518	10-10000	2.5	1.8	8, 10, 11.4	≥3.0
11	ST1-3022	10-10000	3	2.2	8, 10, 11.4	≥3.0
12	ST1-3627	10-20000	3.6	2.7	10, 12.5	≥3.0
13	ST1-4031	10-16000	4	3.1	10	≥3.0
14	ST1-4232	10-16000	4.2	3.2	8, 10, 11.4	≥3.0

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5	ST1-1812	10-10000	1.8	1.2	6, 8, 10	≥2.0
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9	ST1-2515	10-10000	2.5	1.5, 1.8	8, 10, 11.4	≥3.0

Filtek Solutions Ltd, Unit B2 Bersham Enterprise Park, Rhostyllen, Wrexham, LL14 4EG
Tel:07725837622 Email:sales@filteksolutions.co.uk Web:www.filteksolutions.co.uk