

直流溃通滤波器 DF1451-X-55

■ 特点

- 电流范围宽
- 高低频性能都极其优异

■ 用途

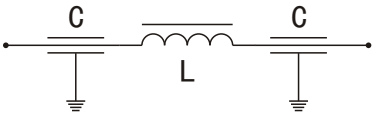
用于通讯设备等需要抑制高频干扰的场合。

■ 技术参数

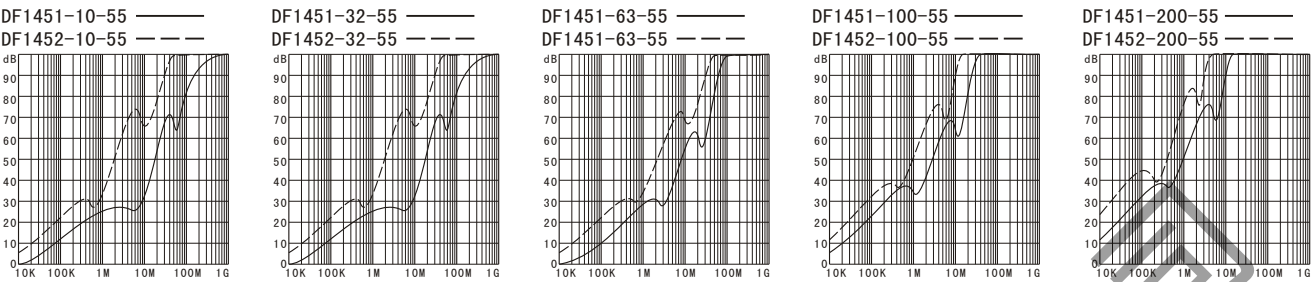
额定电压：250VDC 工作/储存环境温度：-25~+85℃/-40~85℃
绝缘电阻：≥1500s (MΩ . uF, 端子到地/100VDC) 耐电压（一分钟）：端子—地：1000VDC

型号	额定电流 (@40℃)	元件参数（供参考）		接线端螺纹	
		L (nH)	C (nF) (±20%)		
DF1451-10-55	10A	70	10	M3	
DF1452-10-55	10A	140	100	M3	
DF1451-32-55	32A	70	10	M4	
DF1452-32-55	32A	140	100	M4	
DF1451-63-55	63A	80	100	M6	
DF1452-63-55	63A	180	470	M6	
DF1451-100-55	100A	90	470	M8	
DF1452-100-55	100A	240	1000	M8	
DF1451-200-55	200A	120	1000	M10	
DF1452-200-55	200A	330	4700	M10	

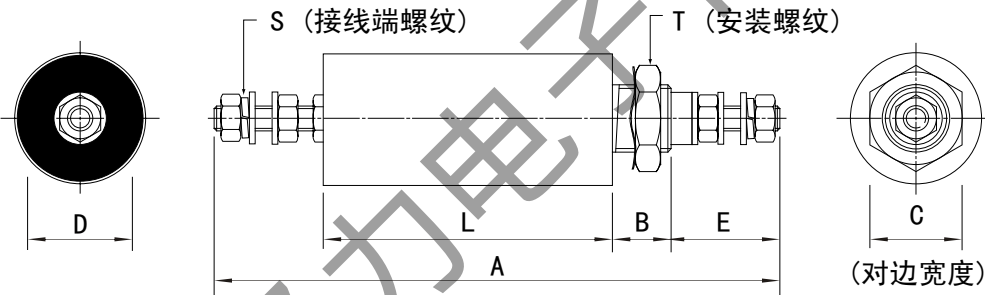
■ 电原理图



■ 典型衰减特性（插入损耗） CISPR17/50 Ω 测试系统



■ 外形尺寸（单位：毫米）



型号	外形尺寸						螺纹	
	直径 D	长度 L	总长 A	B	C	E	安装 T	接线端 S
DF1451-10-55	20	49	90	12	17	16	M12×1	M3
DF1452-10-55	20	89	130	12	17	16	M12×1	M3
DF1451-32-55	20	53	98	12	17	18	M12×1	M4
DF1452-32-55	20	94	139	12	17	18	M12×1	M4
DF1451-63-55	25	94	160	14	22	26	M16×1	M6
DF1452-63-55	32	105	173	16	27	26	M20×1	M6
DF1451-100-55	32	105	184	16	27	32	M20×1	M8
DF1452-100-55	38	145	228	19	27	32	M24×1	M8
DF1451-200-55	38	112	209	19	27	40	M24×1	M10
DF1452-200-55	54	182	279	19	40	40	M30×1.5	M10



Feedthrough Filters (DC) DF1451-X-55

■ Features

- Large current
- Good for controlling surge
- High attenuation to low frequency

■ Applications

- Input of electronic instruments system, suppress the electromagnetic interference on wide band, suited in applications of communications

Applications: Power electronics、Consumer electronics、Medical equipments、
Telecommunication、Test equipments

■ Technical data

Rated voltage : 250VDC

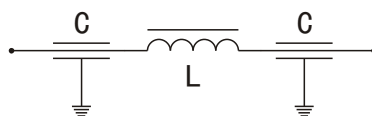
Climatic category : -25~+85℃/-40~+85℃

Insulation resistance : $\geq 1500s(M\Omega, \mu F, \text{between terminal and ground} / 100VDC)$

Test voltage(1 min): between terminal and ground: 1000VDC

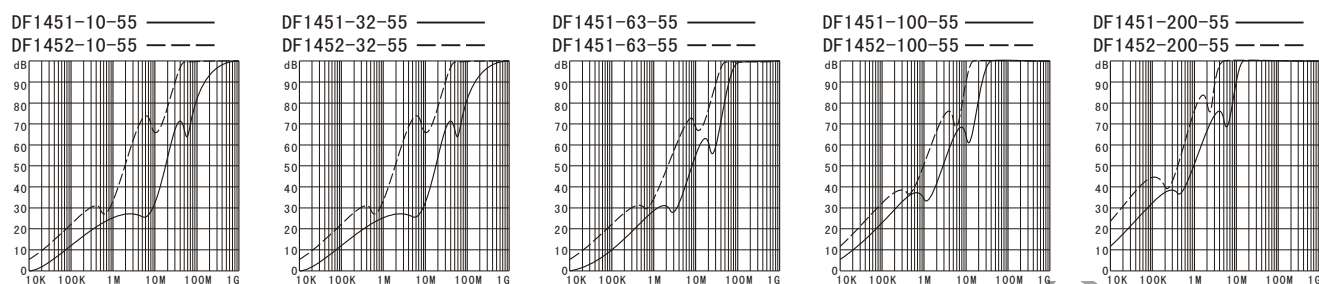
Model	Rated current (@40℃)	Component parameters (for reference)		Screw terminal connections	
		L (nH)	C (nF) ($\pm 20\%$)		
DF1451-10-55	10A	70	10	M3	
DF1452-10-55	10A	140	100	M3	
DF1451-32-55	32A	70	10	M4	
DF1452-32-55	32A	140	100	M4	
DF1451-63-55	63A	80	100	M6	
DF1452-63-55	63A	180	470	M6	
DF1451-100-55	100A	90	470	M8	
DF1452-100-55	100A	240	1000	M8	
DF1451-200-55	200A	120	1000	M10	
DF1452-200-55	200A	330	4700	M10	

■ Circuit diagram

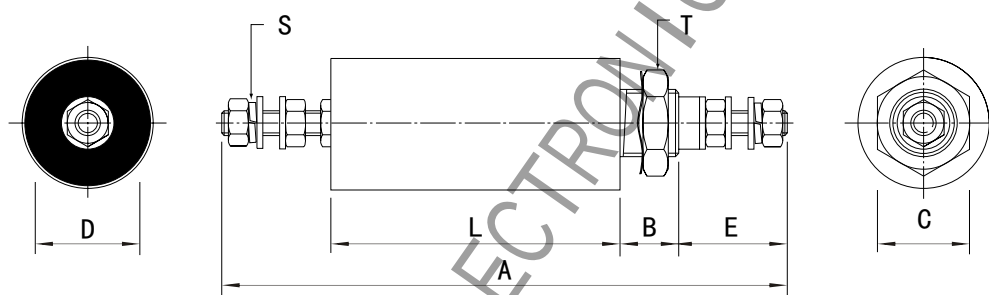


- Above specifications is only for reference, if any changes, we will not inform.
- Before you order, please contact us to ask the latest edited specifications for approval, and know the details of the products.

■ Typical values (Insertion Loss) CISPR17/50Ω Test System



■ Dimensional Drawing (unit:mm)



Model	Dimensional Drawing code						Thread	
	Diameter(D)	Lenth(L)	The total lenth A	B	C	E	Assemble(T)	Terminal(S)
DF1451-10-55	20	49	90	12	17	16	M12×1	M3
DF1452-10-55	20	89	130	12	17	16	M12×1	M3
DF1451-32-55	20	53	98	12	17	18	M12×1	M4
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