

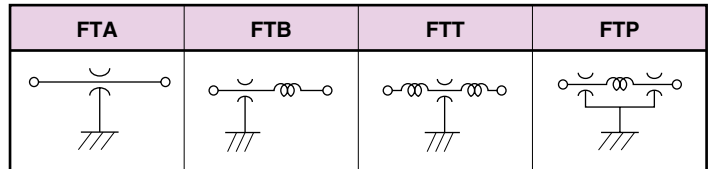
## SCREW TYPE EMI FILTERS

The screw type EMI filter FT series has a T or  $\pi$  circuit structure according to the combination with multilayer suppressors in a threaded metal shell, using multilayer feed through type ceramic capacitors and extremely small feed through type ceramic capacitors.

It offers extremely large insertion loss in a high frequency range up to microwaves, and performs filtering and shielding concurrently for electronic equipment.



### Equivalent circuit



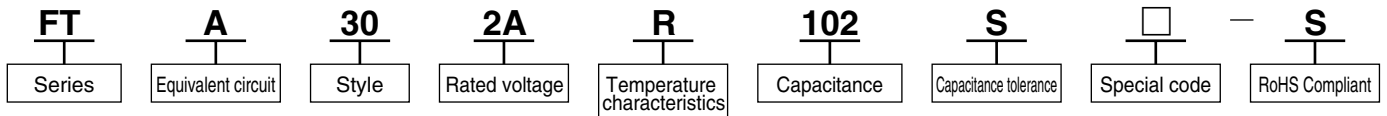
### Features

- Since a feed-through lead wire as a current channel has no internal connection, the EMI filters achieve large allowable current, and can be used for DC lines from 15A( $\phi 1.0$ ) to 5A( $\phi 0.65$ ).
- RoHS Compliant.

### Applications

EMI measures for DC lines and signal lines of base station for cellular phone, microwave transmission, and test equipment.

### Part Number System



### Rated voltage

Code	2A	2D	2E	2H	3D
Rated voltage[Vdc]	100	200	250	500	2000

### Temperature characteristics

Temperature characteristics	Capacitance change	Temp. range
SL	SL(0 $\pm$ 30ppm/ $^{\circ}$ C)	-25~+ 85 $^{\circ}$ C
B	B(+10~ -10%)	
D	D(+20~ -30%)	
E	E(+20~ -55%)	
F	F(+30~ -80%)	
C	CG(+350~ -1000ppm/ $^{\circ}$ C)	-55~+125 $^{\circ}$ C
R	R(+15~ -15%)	

### Capacitance tolerance

Code	Capacitance tolerance
F	$\pm 1$ pF
K	$\pm 10\%$
M	$\pm 20\%$
S	+ 50%, -20%
Z	+ 80%, -20%
P	+100%, - 0%

### Specifications

Type	Equivalent circuit	Standard size	Capacitance range (F)					Rated voltage	Rated current
			10p	100p	1000p	0.01 $\mu$	0.1 $\mu$		
FTA		M 3	[Shaded]					100Vdc 250Vdc	10Adc
		M 4	[Shaded]					100Vdc 250Vdc	10Adc
		M 5	[Shaded]					500Vdc 2000Vdc	15Adc 25Adc
		3	[Shaded]					250Vdc	10Adc
		5.6		[Shaded]				500Vdc	15Adc
FTB		M 3			[Shaded]			100Vdc	10Adc
		M 5			[Shaded]			100Vdc	10Adc
FTT		M 3			[Shaded]			100Vdc	10Adc
		M 4			[Shaded]			100Vdc	10Adc
FTP		M 3	[Shaded]					100Vdc	5Adc
		M 4			[Shaded]			100Vdc	10Adc