

AC Feedthrough Filter



Feedthrough filter offer high attenuation to the wide range of frequency up to 1GHz available in various configurations like L, π and T with various mounting and terminations.

Features

- Very wide range in different mounting
- High contact reliability
- Easy to install

Applications

- Broadband interference suppression for Shielded rooms
- Telephone exchanges, base stations
- Electrical machines and Power systems



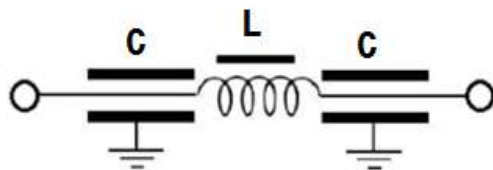
Technical Specifications

Max. Operating Voltage	: 250 VAC, 50/60Hz
Rated Currents	: 10 to 200A @60°C
High Potential test voltage	: 3000 VDC line to case for 2 sec
Capacitance Class	: Y2
Design Corresponding to	: UL 60939-3
Flammability corresponding to	: UL 94 V-2 or better
Temperature range	: -40°C to +100°C(40/100/21)
Enclosure/Finish/Potting	: Brass with Nickel plating/Epoxy
Operating Frequency	: DC to 60Hz

Approvals



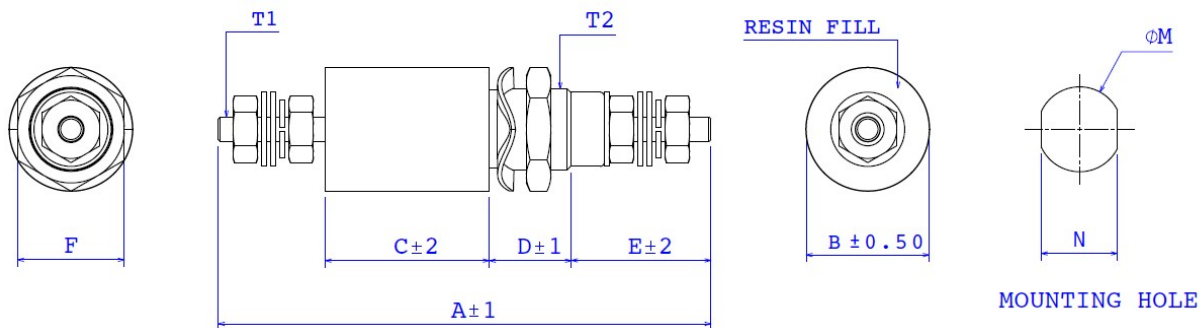
Circuit Diagram



Selection Table

Ordering code	Current rating @60°C	Leakage Current* @250 VAC/50Hz (mA)	Capacitance C (nF)	Inductance L (nH)	A	B	C	D	E	F	T1	T2	M	N	
FTFAC-N0100-006A	10A	2	10nF	250	109	25	60	12	20	17	M3	M12	12.3	12.3	
FTFAC-N0220-016A	16A	4.4	22nF	250	116	28	61	14	24	24	M4	M16	16.3	14.3	
FTFAC-N0220-032A	32A			220	126	28	65	14	27	24	M5	M16	16.3	14.3	
FTFAC-N0470-016A	16A			250	121	28	70	14	22	24	M3	M16	16.3	14.3	
FTFAC-N1000-016A	16A	20	100nF	250	124	28	69	14	24	24	M4	M16	16.3	14.3	
FTFAC-N1000-032A	32A				130	32	69	14	27	24	M5	M16	16.3	14.3	
FTFAC-N1000-075A	75A				220	168	38	85	16	37	32	M8	M20	20.3	18.3
FTFAC-N4700-063A	63A				250	173	38	98	16	33	27	M6	M20	20.3	18.3
FTFAC-N4700-100A	100A	94	470nF	250	185	38	102	16	37	27	M8	M20	20.3	18.3	
FTFAC-N4700-200A	200A				125	218	57	119	19	45	32	M10	M24	24.3	22.3
FTFAC-1000N-100A	100A				400	234	57	148	19	37	27	M8	M24	24.3	22.3
FTFAC-4700N-200A	200A	940	4700nF	300	245	57	146	19	45	27	M10	M24	24.3	22.3	

Mechanical Dimensions



Insertion Loss

Capacitance (nF)	Frequency(Hz)	0.03M	0.1M	1M	10M	100M	1G
10		-	-	3	21	45	70
22		-	-	6	25	45	70
47			2	15	34	50	80
100		2	5	20	40	65	80
470		9	16	33	33	80	80
1000		15	22	40	42	80	80
4700		38	40	52	57	85	90