

The PE 7000 Series is Feedthrough Capacitor, The PE 7100 Series is Feedthrough Filter.



PE 7000

Rated currents from 1A to 250A
Class Y2 capacitor



PE 7100



Description :

- Feedthrough capacitors offer a high insertion loss across a broad band of frequencies from a few tens of kHz up to the GHz region.
- Very low internal series inductance.
- Very high self-resonant frequency.
- Self-healing dielectric.
- High quality and reliability.
- Through-bulkhead mounting.
- Anti-twist protection.
- Custom-specific or dual-versions on request.

Typical Applications :

- AC Power line filter for 250VAC power lines
- DC Power line filter for 48VDC battery power
- Increasing system and information security
- Power supplies
- Switching and cellular equipment
- Computer servers
- UPS power supplies
- Medical equipment
- Shielded rooms

Electrical Schematic :

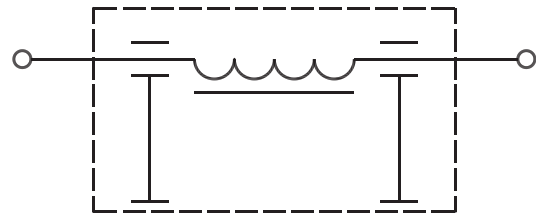


Fig 1

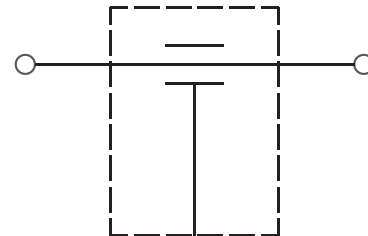


Fig 2

Specification :

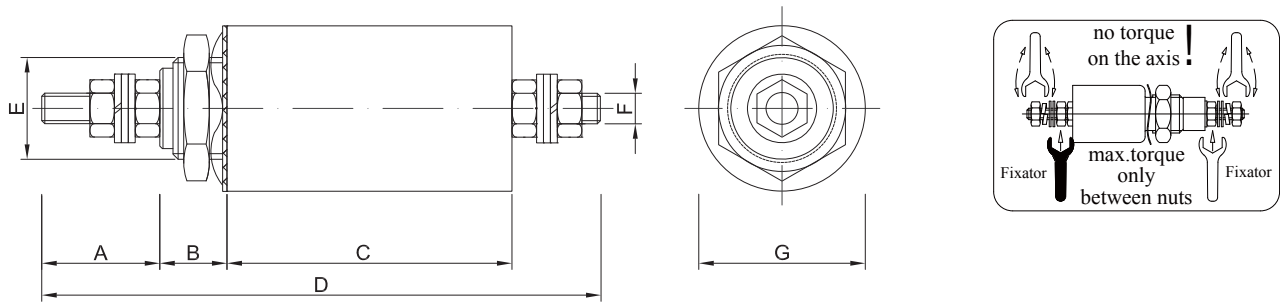
Rated Voltage:	250 VAC @ 50/60 Hz
	80 VDC ~ 600 VDC
Rated Current:	1A ~ 250 A
Temperature Range :	40/085/56

Filter Selection Table :

Filter	Rated current (A)	Rated voltage (V)	Leakage Current (mA)	Capacitance (μ F)	Test Voltage 1 min (VDC)	Electrical Schematic
PE7100-16-M4	16	250	4.14	2×0.022	2250	1
PE7100-63-M6	63	250	88.5	2×0.47	2250	1
PE7100-100-M8	100	250	564	2×3.0	2120	1
PE7103-100-M8	100	250	564	2×3.0	2200	1
PE7100-250-M12	250	250	157	2×1.0	2250	1
PE7121-30-M5	30	600	-	2×0.018	2500	1
PE7022-50-M6	50	200	-	0.22	720	2
PE7120-65-M6	65	200	-	2×4.7	1000	1
PE7123-62-M6	65	250	-	2×0.25	2250	1
PE7124-65-M6	65	250	-	2×0.22	2250	1
PE7120-230-M10	230	400	-	2×3.3	2121	1
PE7021-250-M10	250	200	-	1.68	1500	2

Mechanical Dimension:

All dimensions in mm; 1 inch=25.4mm



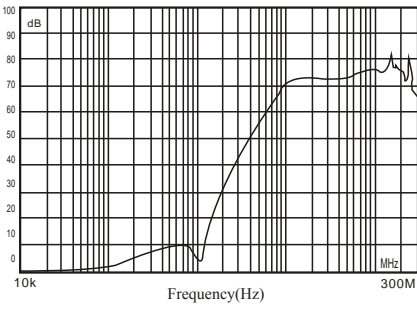
Filter	A	B	C	D	E	F	G
PE7100-16-M4	20	18	54	110	M20×1	M4	Φ42
PE7100-63-M6	26	18	83	148	M30×1.5	M6	Φ50
PE7100-100-M8	34	18	83	160	M30×1.5	M8	Φ50
PE7103-100-M8	34	15	86	160	M24×1	M8	Φ45
PE7100-250-M12	41	16	96	190	M32×1.5	M12	Φ55
PE7121-30-M5	24.5	11	45	100	M12×1	M5	Φ20
PE7022-50-M6	16	6	21.5	64	M16×1	M6	Φ19
PE7120-65-M6	20	10	141	195	M20×1	M6	Φ39
PE7123-62-M6	19.5	7	52	100	M16×1	M6	Φ25
PE7124-65-M6	19.5	7	44	87.6	M16×1	M6	Φ25
PE7120-230-M10	31	16	89	168	M32×1.5	M10	Φ52
PE7021-250-M10	32	5	30	88	Φ17	M10	Φ35

Recommended torque:

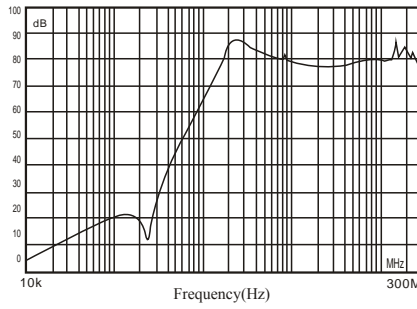
Filter	M3	M4	M6	M8	M10	M10×1	M12×1	M16×1	M20×1	M24×1	M27×1.5
Terminal thread	0.5Nm	1.2Nm	2.5Nm	5Nm	8Nm						
Mounting thread						2Nm	3Nm	4Nm	7Nm	8Nm	12Nm

Insertion Loss in dB:

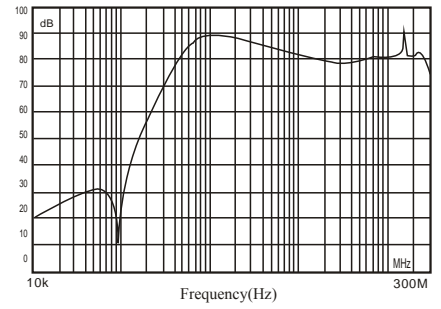
(Measured in 50Ω system , as IEC/CISPR NO.17)



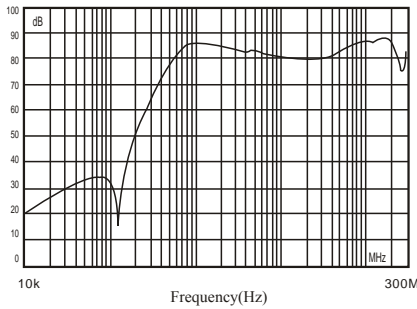
PE7100-16-M4



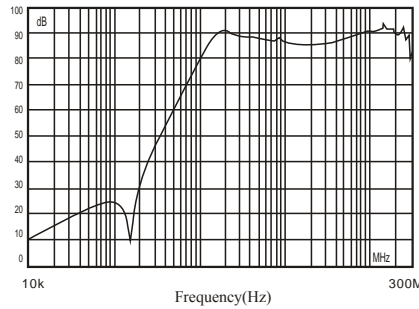
PE7100-63-M6



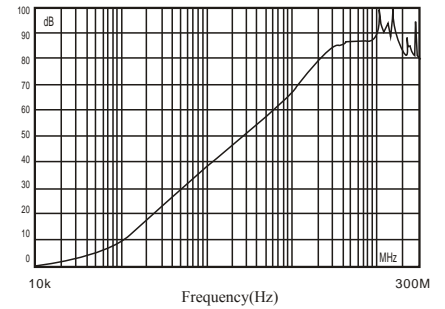
PE7100-100-M8



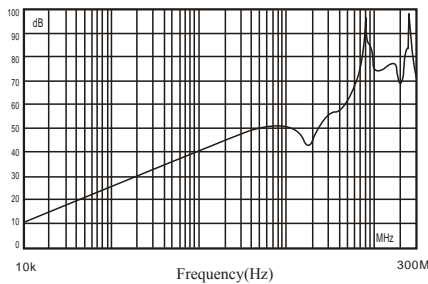
PE7103-100-M8



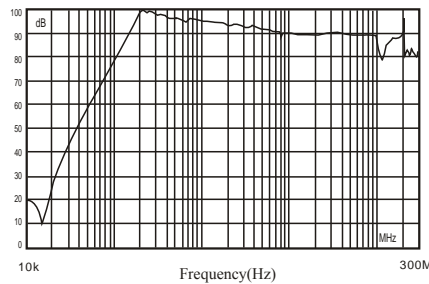
PE7100-250-M12



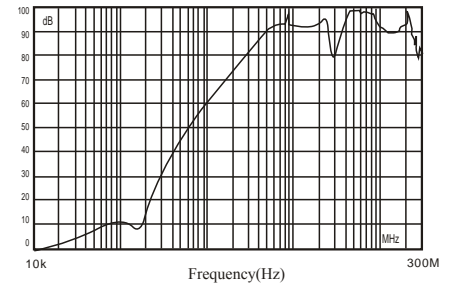
PE7121-30-M5



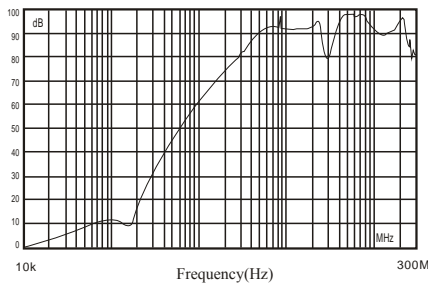
PE7022-50-M6



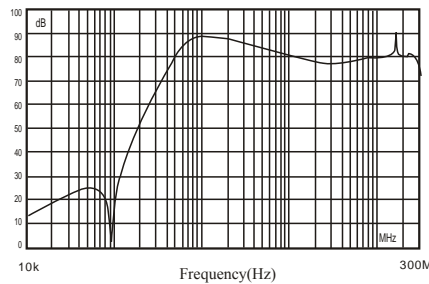
PE7120-65-M6



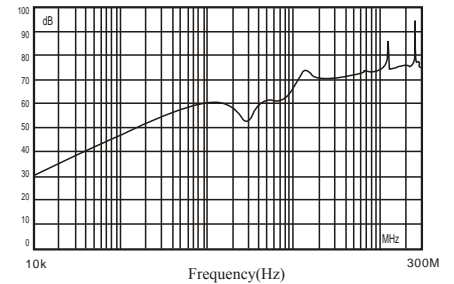
PE7123-62-M6



PE7124-65-M6



PE7120-230-M10



PE7021-250-M10