

High Performance EMI / Tempest / RF Power Filters

The **ML600X Series** range of High Performance EMI / TEMPEST / RF Power Filters provide a high level of protection for your equipment and test set-up by filtering against RF noise. Insertion loss in excess of 100dB is provided from as low as 10kHz for both off load and on load conditions.

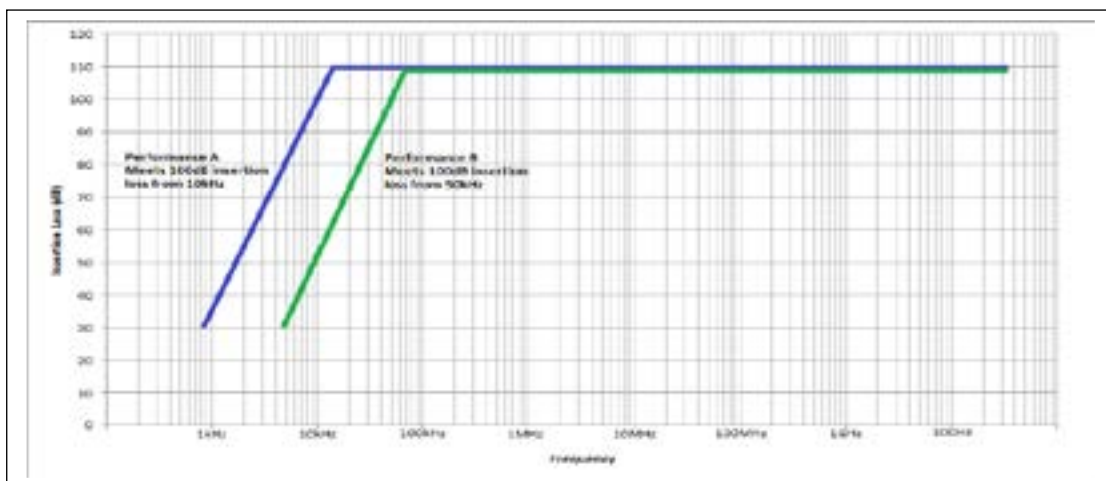


The **ML600X Series** provides protection on Single and Three phase circuits with current capability up to 400 Amps. Suitable for 50/60Hz applications. In addition the single phase 2 line versions can be used on DC supplies up to 600V.

Typical applications include:

- High Performance Shielded Room and Anechoic Chamber facilities providing protection of both incoming and outgoing supplies.
- Tempest applications where an extremely high degree of protection is required to obtain maximum security.

ML600X Series Performance Graph



Asymmetric Performance (on and off load) for ML600X Series Filters

All ML600X Series Filters meet or exceed the relevant performance and safety criteria defined within these standards:
CISPR17:2011, EN60950, MIL-F-15733, MIL-STD-220C, UL1283

Features:

- Compact, rugged construction for space restricted applications.
- All filters supplied with feed through penetrations and fixings as standard.
- Filters supplied with site configurable conduit exit holes on the output (load) side of the filter for shielded room (rear entry) or standard wall (straight through) mounted applications.
- Filters typically available from stock for immediate delivery.
- Transient Suppressors options available.
 - Standard Transient Suppressor Specification (1 per line on supply side)

Varistor Voltage	400 V
Max. AC Voltage Rating	275 V
Max. DC Voltage Rating	370 V
Clamping Voltage	680 V
Energy	215 J
Max. Surge Current	12000 A
Capacitance	2.28 nF

Technical Data:

Single Phase (L+N)

Part number	Number of lines	Current rating	Overall Length (mm)	Width (mm)	Depth (mm)	Termination Chamber Length (mm)	Weight (Kg)	Terminal size (mm)	Insertion loss performance.
ML6000	2-Line	16 Amps	310	175	90	65	8	M5	A
ML6002	2-Line	32 Amps	550	205	95	85	16	M8	A
ML6004	2-Line	63 Amps	550	205	105	85	20	M8	A
ML6006	2-Line	100 Amps	640	205	120	110	22	M8	B
ML6008	2-Line	200 Amps	660	475	135	120	60	M12	B

Three Phase (3L+N)

Part number	Number of lines	Current rating	Overall Length (mm)	Width (mm)	Depth (mm)	Termination Chamber Length	Weight (Kg)	Terminal size (mm)	Insertion loss performance.
ML6003	4-Line	32 Amps	550	410	95	85	22	M8	A
ML6005	4-Line	63 Amps	550	410	110	110	32	M8	B
ML6007	4-Line	100 Amps	660	410	135	120	45	M8	B
ML6009	4-Line	200 Amps	660	575	150	120	70	M12	B
ML6011	4-Line	400 Amps	1250	575	150	300	120	M20	B