

HIGH VOLTAGE/HIGH POWER REACTORS

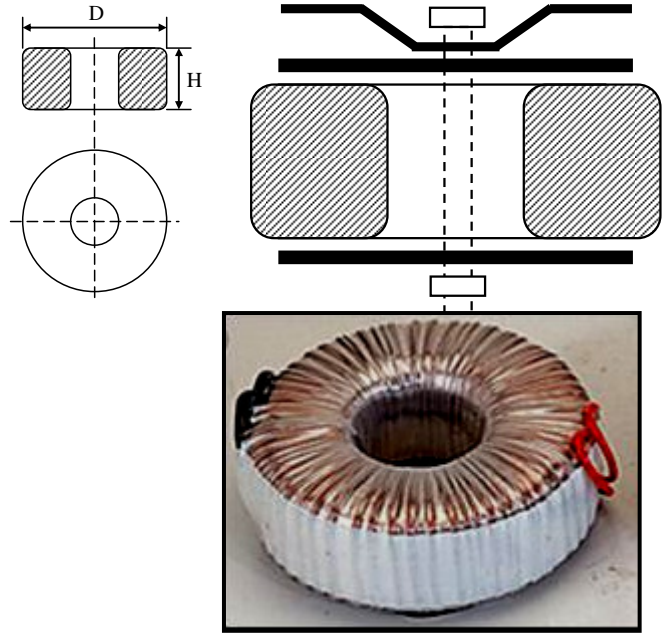
MHVXL -Series

Introduction:

MHVXL series of power toroidal reactors are available in more than 50 different modes (high/low frequency), virtually offering solutions to Current limiting/Filter/neutral grounding/transient limiting/Shunt/HVDC applications/Motor starting/balancing reactors. Company undertakes designing special application reactors.

Advantage:

- Energy efficient due to low no-load current.
- Reduce dv/dt and di/dt
- Better voltage regulation due to low inductance/resistance.
- Minimize flicker / voltage fluctuation/power oscillation
- Compact size/ Unbalanced loads/ Low inrush current.
- High kilo Voltage fluctuation/ Low stress on switch gear
- Enhance capacity of distribution/transmission/transformer/motor
- Reduce stress on switchgear/semiconductor devices



ELECTRICAL & MECHANICAL SPECIFICATION (Low/High frequency):

Reactive Power < 1000,000 VAR

Model	Capacity (VAR)	Insuctance Linear/saturation Milli-henry	Frequency (HZ)	Output (V) r.m.s.	Thermal rise (°C)	Formal Size		Weight kg	Fix-OS (mm)
						H (mm)	D (mm)		
MPPT-103	010000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	080	180	053	option
MPPT-153	015000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	100	200	085	option
MPPT-203	020000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	125	250	110	option
MPPT-253	025000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	150	300	135	option
MPPT-303	030000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	200	350	168	option
MPPT-403	040000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	250	390	230	option
MPPT-503	050000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	300	600	280	option
MPPT-753	075000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	500	650	347	option
MPPT-993	100000		50/150/250/550/1100/optional	0.44/3.3/6 .6/11/33	≤65	600	700	605	option

Company may modify some of the specification (electrical/mechanical) in light of operation aspect of site.

MOTORON SEMICONDUCTORS CORPORATION

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HIGH VOLTAGE/HIGH POWER REACTORS

MPPT-Series

ELECTRICAL & MECHANICAL SPECIFICATION(LOW/HIGH FREQUENCY):

Reactive Power < 1000,000 VAR

Model	Capacity (VAR)	Input (V)	Frequency (HZ)	OPERATING VOLTAGE A.C.	Thermal rise (°C)	Formal Size		Weight Kg	Fix-OS (mm)
						H (mm)	D (mm)		
MPPT-302	00200000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	700	750	001500	option
MPPT-502	00500000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	1000	1100	004000	option
MPPT-802	01000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	1200	1500	008500	option
MPPT-1052	02000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	1200	1800	018000	option
MPPT-1202	05000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	1800	2200	030000	option
MPPT-1502	08000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	2000	2800	062000	option
MPPT-1902	15000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	3000	3200	130000	option
MPPT-2402	25000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	3800	3400	26000	option
MPPT-3002	50000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	4500	6200	52000	option
MPPT-5002	70000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	≤65	6000	8000	84000	option
MPPT-5002	80000000		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	NOT MFR	nOT MFR	not MFR	not mfr	option
MPPT-5002	99999999		50/150/250/550/1100/optional	0.44/3.3/6.6/11/33	NOT MFR	nOT MFR	nOT MFR	not mfr	option

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AIR CORED REACTOR



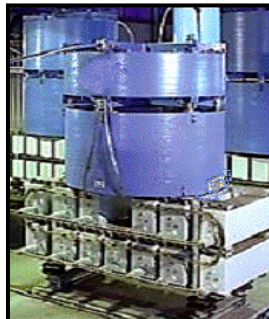
TUNING REACTOR



three phase current limiting reactor



Plinth mounted H.V. Harmonic reactor



high voltage passive harmonic filter



Pole mounted harmonic filter

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