MAIDA Filter Varistor Spec Sheet

Sept 2003

FILTER VARISTOR SPECIFICATION SHEET

MAIDA STYLE NUMBER XY12P1206L

MLV SERIES

Preliminary Electrical Specifications

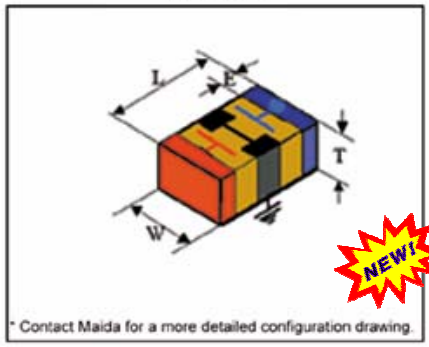
Continuous AC Voltage	8.5	VAC
Continuous DC Voltage	12	VDC
Maximum DC Leakage @ Rated VDC	100	uA
Low Varistor Voltage Limit	15	VDC
High Varistor Voltage Limit	21	VDC
Nominal Varistor Voltage	18	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	40	V
Maximum Clamp Voltage Test Current	10	A
Peak Current Rating (8X20us)	40	A
Energy Rating (10X1000us)	0.15	J
Typical Capacitance **Max**	5500	pF

Thermal Specifications

Minimum Operating Temperature	-40	°C
Maximum Operating Temperature	85	°C

DEVELOPMENT COMPANY

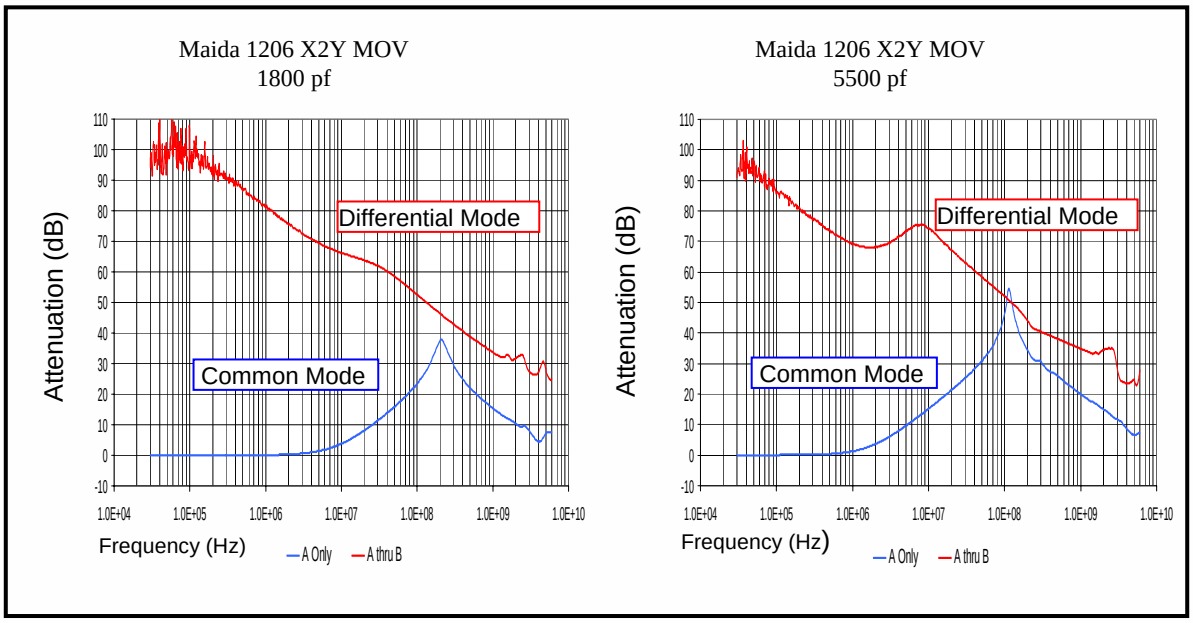
20 Libbey Street
Hampton, Virginia 23663
(757)-723-0785
Fax (757)-722-1194
E-mail us at: sales@maida.com
www.maida.com



* Contact Maida for a more detailed configuration drawing.

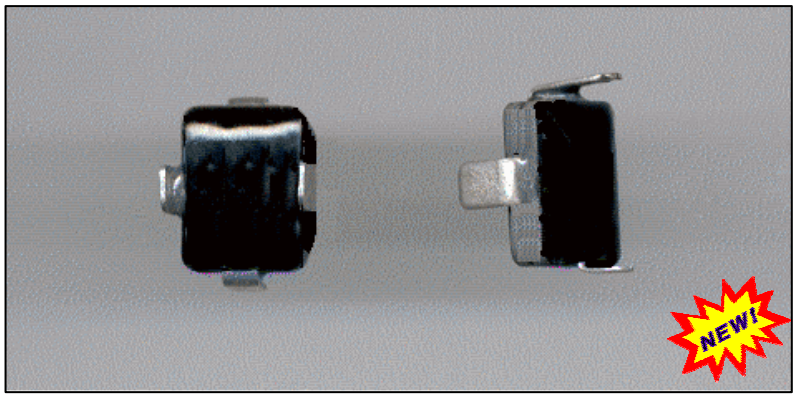
1206

Typical X2Y EMC in Circuit Performance



NEW PRODUCT DEVELOPMENT *Power Line Filters*

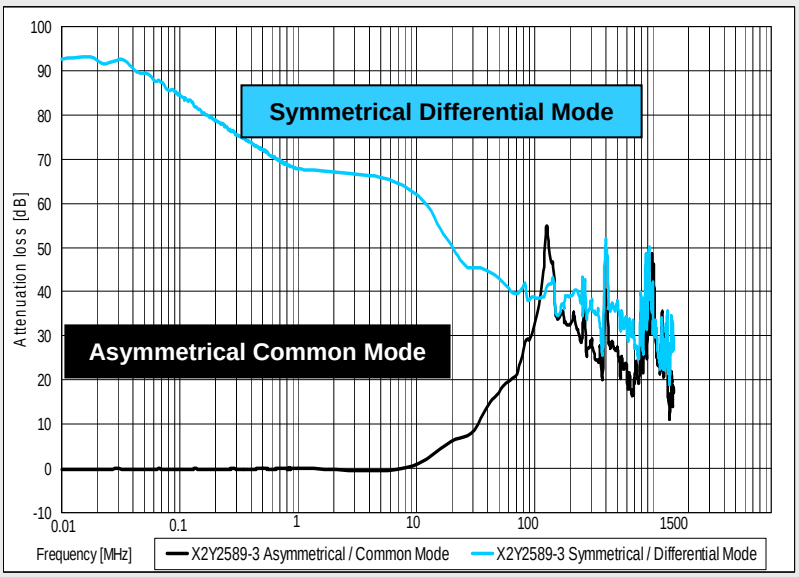
A Technology Company



DEVELOPMENT COMPANY

- **Ceramic or MOV Dielectrics**
- **470pf, 2500pf, 5000pf (L- G Capacitance)**
- **Soon to be Safety Agency Approved**

Preliminary 820pf MOV Attenuation Characteristics



Preliminary Electrical Specifications

Continuous AC Voltage	270
Continuous DC Voltage	360
Low Varistor Voltage (VDC)	382
High Varistor Voltage (VDC)	466
Nom Varistor Voltage (VDC)	424
Varistor Voltage Current (ma)	1
Maximum Clamp Voltage	710
Maximum Clamp Voltage Test Current (Amps)	50
Peak Current Rating(1 Pulse) (Amps)	4500
Peak Current Rating (2 Pulse) (Amps)	3200
Energy Rating (8 X 20us) Typical (Joules)	150
Energy Rating (10 X 1000us) Typical (Joules)	150
Typical Capacitance (pf)	750
Impulse Response Time (ns)	< 50

Preliminary Thermal Specifications

Minimum Operating Temperature (deg C)	-40
Maximum Operating Temperature (deg C)	85
Varistor Voltage Coefficient (%/deg C)	-0.05
Minimum Storage Temperature (deg C)	-50
Maximum Storage Temperature (deg C)	125
Current Energy Derating Above 85 C (%/deg C)	-2.5

Patented by
X2Y Attenuators, LLC
Call for Application Questions
2730B West 21st
Erie, PA 16506
(814) 835-8180
Fax (814) 835-9047
Email us at: X2Y@X2Y.com
www.X2Y.com

Manufactured by
Maida Development Company
Call for Part Specifications
20 Libbey Street
Hampton, Virginia 23663
(757)-723-0785
Fax (757)-722-1194
E-mail us at: sales@maida.com
www.maida.com