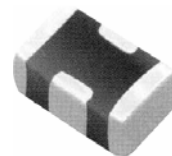


片式三端 EMI 滤波器—MFL 系列

Chip 3-Terminal EMI Filter – MFL Series

Operating Temp. : -25℃~ +85℃



特征

- 体积小，适合高密度贴装
- 抑制噪声对信号无衰减

FEATURES

- Small and low profile enables high density mounting
- Suppress noise with little or no attenuation of the signal itself

用途

- 视频信号如 DVD, DSC, PDP 等设备的噪声抑制
- 高速数字电路如时钟线及 RGB 线的严重噪声抑制

APPLICATIONS

- Noise suppression in visual signal such as DVD, DSC, PDP, etc
- Suppression of high magnitude radiated noise generated by high speed digital circuits such as clock and RGB

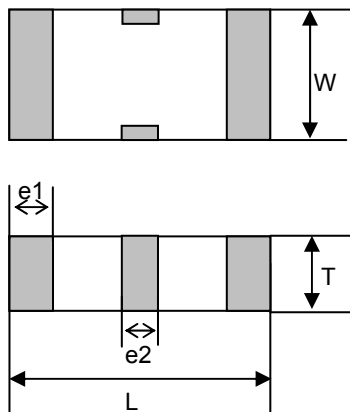
产品型号

PRODUCT IDENTIFICATION

<u>MF</u>	<u>L</u>	<u>2012</u>	<u>SP</u>	<u>100</u>	<u>M</u>	<u>1E</u>	<u>T</u>	<u>(f)</u>
①	②	③	④	⑤	⑥	⑦	⑧	⑨
①	分类 Type MF 片式 EMI 滤波器 Chip EMI Filter		②	结构代号 Structure Code L		③	外形尺寸(L×W) (mm) External Dimensions (L×W) (mm) 2012 [0805] 2.0×1.25 3216 [1206] 3.2×1.6	
④	特征 Feature SP PI Type Circuit ST T Type Circuit		⑤	截止频率 Cut-off Frequency Example Nominal Value 100 10MHz 101 100MHz		⑥	截止频率的公差 Tolerance of Cut-off Frequency M ±20%	
⑦	额定电压 Rated Voltage 1C 16V 1E 25V 1H 50V 2A 100V		⑧	包装 Packing B 散装 Bulk Package T 编带 Tape & Reel		⑨	无铅产品 Lead Free Products (f)	

外观尺寸

SHAPE AND DIMENSIONS



Unit: mm [inch]

Type	L	W	T	e1	e2
MFL2012 [0805]	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008]	0.3±0.2 [.012±.008]	0.6±0.2 [.024±.008]
MFL3216 [1206]	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	1.0±0.2 [.039±.008]	0.4±0.3 [.016±.012]	1.1±0.3 [.043±.012]

MFL2012SP TYPE

Part Number 型号	Cut-off Frequency –3dB (±20%) 截止频率	Rated Voltage 额定电压	Rated Current 额定电流	Min. Insulation Resistance 绝缘电阻
Units 单位	MHz	Volt	mA	MΩ
Symbol 符号	f_0	V_{DC}	I_r	IR
MFL2012SP200M1C	20	16	100	1000
MFL2012SP500M1C	50	16	150	1000
MFL2012SP700M1C	70	16	150	1000
MFL2012SP101M1C	100	16	200	1000
MFL2012SP151M1C	150	16	200	1000
MFL2012SP201M1C	200	16	250	1000
MFL2012SP301M1C	300	16	300	1000
MFL2012SP401M1C	400	16	300	1000
MFL2012SP501M1C	500	16	300	1000

MFL2012ST TYPE

Part Number 型号	Cut-off Frequency –3dB (±20%) 截止频率	Rated Voltage 额定电压	Rated Current 额定电流	Min. Insulation Resistance 绝缘电阻
Units 单位	MHz	Volt	mA	MΩ
Symbol 符号	f_0	V_{DC}	I_r	IR
MFL2012ST100M1E	10	25	100	30
MFL2012ST220M1E	22	25	100	30
MFL2012ST470M1E	47	25	100	30
MFL2012ST680M1E	68	25	100	30
MFL2012ST101M1E	100	25	100	30
MFL2012ST221M1E	220	25	100	30
MFL2012ST401M1E	400	25	100	30

MFL3216ST TYPE

Part Number 型号	Cut-off Frequency –3dB (±20%) 截止频率	Rated Voltage 额定电压	Rated Current 额定电流	Min. Insulation Resistance 绝缘电阻
Units 单位	MHz	Volt	mA	MΩ
Symbol 符号	f_0	V_{DC}	I_r	IR
MFL3216ST100M1E	10	25	100	30
MFL3216ST220M1E	22	25	100	30
MFL3216ST470M1E	47	25	100	30
MFL3216ST680M1E	68	25	100	30
MFL3216ST101M1E	100	25	100	30

※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

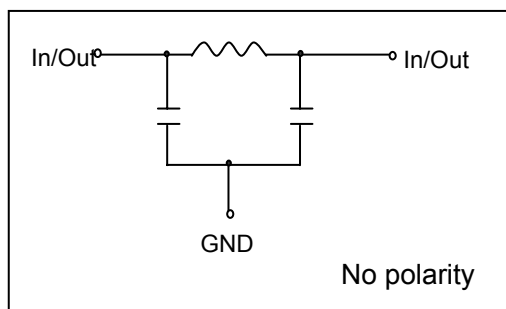
电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

MFL2012SP TYPE

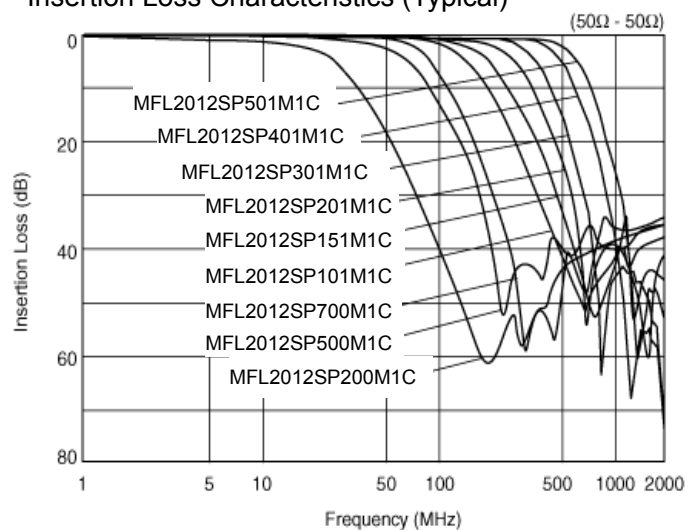
等效电路

Equivalent Circuit



插入损耗特性曲线

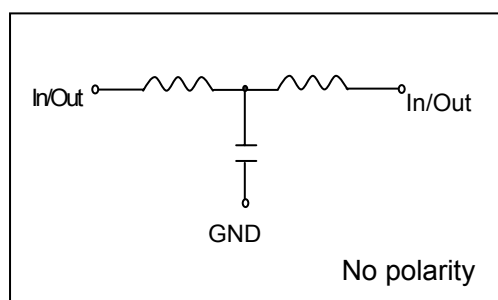
Insertion Loss Characteristics (Typical)



MFL2012ST TYPE

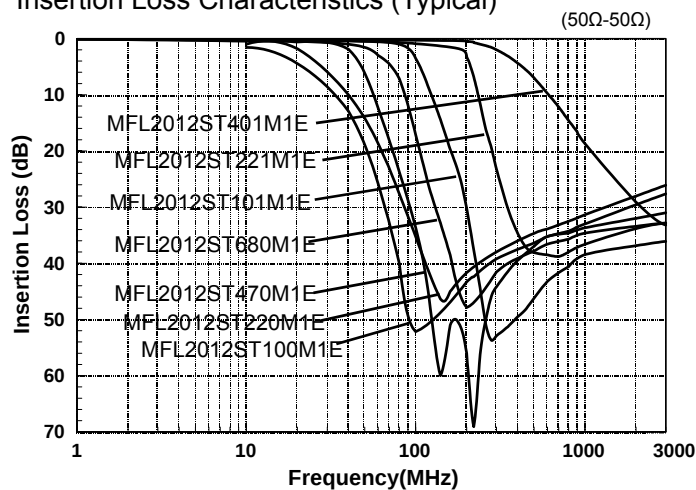
等效电路

Equivalent Circuit



插入损耗特性曲线

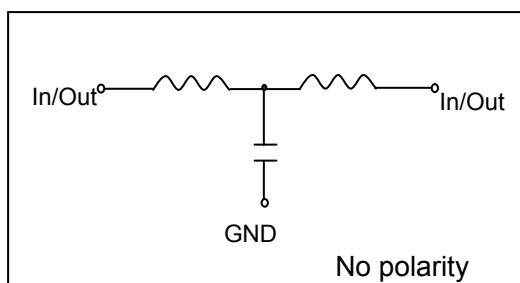
Insertion Loss Characteristics (Typical)



MFL3216ST TYPE

等效电路

Equivalent Circuit



插入损耗特性曲线

Insertion Loss Characteristics (Typical)

