

LOW PASS FILTER

Multilayer Chip Type

Small Size • Low Loss • High Reliability

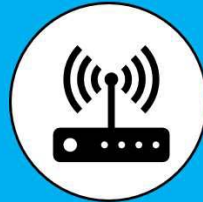
Simplify Circuit Design & Tuning



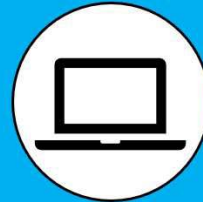
PHONE



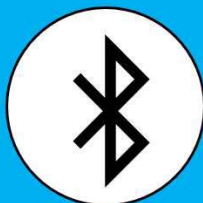
PDA



RF DEVICE



NOTEBOOK



BLUETOOTH



WLAN



GPS



DVD

LOW PASS FILTER

Product Structure

Structure A	Structure B	Structure C
<p>[Top View]</p> <p>[Bottom View]</p> <p>[Side View]</p>	<p>[Top View]</p> <p>[Bottom View]</p> <p>[Side View]</p>	<p>Top View</p> <p>Bottom View</p> <p>[Side View]</p>
Structure D	Structure E	Structure F
<p>[Top View]</p> <p>[Bottom View]</p> <p>[Side View]</p>	<p>[Top View]</p> <p>[Bottom View]</p> <p>[Side View]</p>	<p>Top View</p> <p>Bottom View</p> <p>[Side View]</p>
Structure G	Structure H	Structure I
<p>[Top View]</p> <p>[Bottom View]</p> <p>Land Pattern</p> <p>[Side View]</p>	<p>[Top view]</p> <p>[Bottom view]</p> <p>[Side view]</p>	<p>Top View</p> <p>Bottom View</p> <p>[Side View]</p>

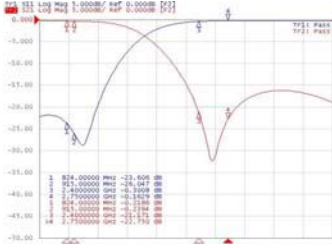
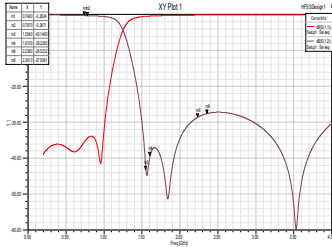
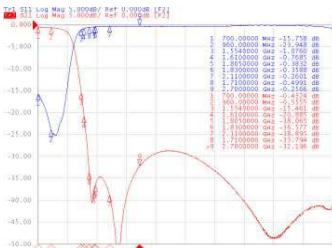
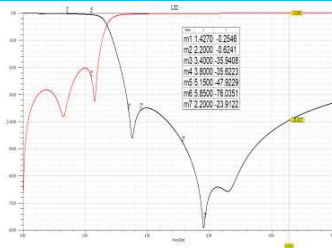
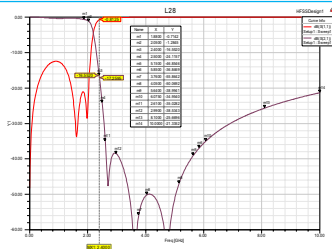
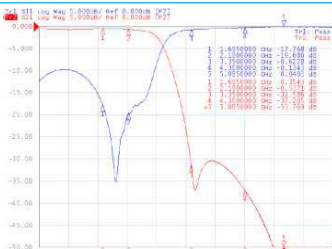
LOW PASS FILTER

Pin Description & Dimension

Shinhom P/N	Structure	Size (mm)			Pin No. & Description					
		L	W	T	1	2	3	4	5	6
MLPF0605M0915P69-L10	A	0.65±0.04	0.5±0.04	0.3±0.05	In/Out	In/Out	GND	GND		
MLPF15M0766P69-L30	B	1.0±0.05	0.5±0.05	0.5±0.05	NC	GND	NC	Out	GND	In
MLPF15M0829P69-L29	B	1.0±0.05	0.5±0.05	0.5±0.05	NC	GND	NC	Out	GND	In
MLPF15M1810P69-L32	B	1.0±0.05	0.5±0.05	0.5±0.05	NC	GND	NC	Out	GND	In
MLPF15M1880P69-L28	B	1.0±0.05	0.5±0.05	0.5±0.05	NC	GND	NC	Out	GND	In
MLPF15M1880P69-L28N	B	1.0±0.05	0.5±0.05	0.5±0.05	NC	GND	NC	Out	GND	In
MLPF15M2450P69-L33	C	1.0±0.05	0.5±0.05	0.38±0.05	GND	In/Out	GND	In/Out		
MLPF15M2550P69-L31	B	1.0±0.05	0.5±0.05	0.5±0.05	NC	GND	NC	Out	GND	In
MLPF15M3750P69-L36	H	1.0±0.1	0.5±0.1	0.4 Max.	In	Out	GND	GND	GND	
MLPF15M4700P69-L37	H	1.0±0.1	0.5±0.1	0.4 Max.	In	Out	GND	GND	GND	
MLPF18M0829P69-L19	D	1.6±0.1	0.8±0.1	0.6±0.1	In/Out	GND	In/Out	GND		
MLPF18M0829P69-L19N	D	1.6±0.1	0.8±0.1	0.6±0.1	In/Out	GND	In/Out	GND		
MLPF18M0829P69-L20	E	1.6±0.1	0.8±0.1	0.6±0.1	GND	NC	GND	In/Out	GND	In/Out
MLPF18M0830P69-L23	F	1.6±0.1	0.8±0.1	0.65 Max.	In/Out	GND	In/Out			
MLPF18M1435P69-L24	F	1.6±0.1	0.8±0.1	0.65 Max.	In/Out	GND	In/Out			
MLPF18M1695P69-L27	F	1.6±0.1	0.8±0.1	0.65 Max.	In/Out	GND	In/Out			
MLPF18M1700P69-L16	F	1.6±0.1	0.8±0.1	0.6±0.1	In/Out	GND	In/Out			
MLPF18M1700P69-L35	F	1.6±0.1	0.8±0.1	0.6±0.1	In/Out	GND	In/Out			
MLPF18M1850P69-L21	D	1.6±0.15	0.8±0.1	0.6±0.1	In/Out	GND	In/Out	GND		
MLPF18M1880P69-L18	D	1.6±0.1	0.8±0.1	0.6±0.1	In/Out	GND	In/Out	GND		
MLPF18M2450P69-L13	E	1.6±0.1	0.8±0.1	0.6±0.1	GND	In	GND	GND	Out	GND
MLPF18M2450P69-L22	G	1.6±0.1	0.8±0.1	0.7 Max.	In	GND	Out	NC	GND	NC
MLPF18M2500P69-L12	E	1.6±0.1	0.8±0.1	0.6±0.1	GND	In	GND	GND	Out	GND
MLPF21M0820P69-L08	F	2.0±0.2	1.25±0.1	0.8±0.05	In/Out	GND	In/Out			
MLPF43M1G20P69-L25	I	4.5±0.2	3.2±0.2	1.5±0.1	In/Out	GND	In/Out			
MLPF43M1G20P69-L26	I	4.5±0.2	3.2±0.2	1.5±0.1	In/Out	GND	In/Out			

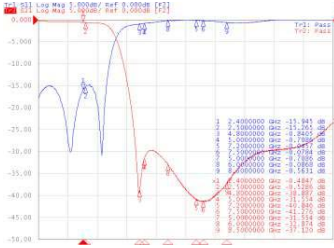
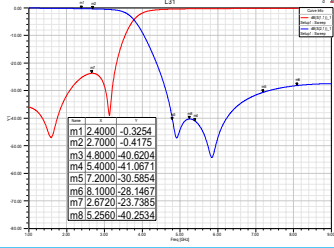
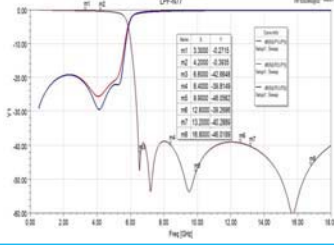
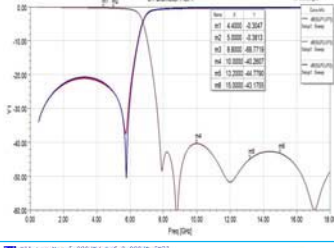
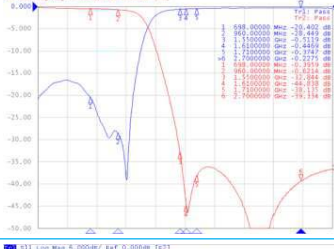
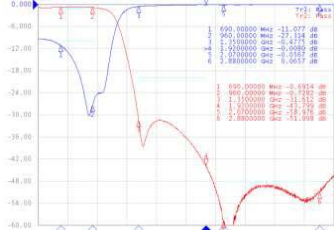
LOW PASS FILTER

Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.)	Impedance (Ω)	VSWR (in BW)	Attenuation (dB/Min.)	Power Cap. (W/Max.)	Electrical Characteristics
MLPF0605M0915P69-L10	824~915	0.5	50	≤ 1.5	20dB (2400~2750MHz)	2	
MLPF15M0766P69-L30	746~787	0.7	50	≤ 2.0	30dB (1554~1610MHz) 25dB (2238~2361MHz)	2	
MLPF15M0829P69-L29	698~960	0.65	50	≤ 2.0	13dB (1554~1610MHz) 30dB (1805~1830MHz) 30dB (2110~2170MHz) 30dB (1710~2700MHz)	2	
MLPF15M1810P69-L32	1427~2200	0.3	50	≤ 2.0	35dB (3400~3800MHz) 35dB (5150~5180MHz)	2	
MLPF15M1880P69-L28	1880~2025	1.4 (@25°C) 1.6 (@-40~85°C)	50	≤ 2.0	10dB (2400~2500MHz) 25dB (3760~4050MHz) 25dB (5150~5850MHz) 25dB (5640~6075MHz) 25dB (7520~8100MHz) 22dB (9400~10125MHz)	2	
MLPF15M1880P69-L28N	1695~2180	0.6 (@25°C) 0.8 (@-40~85°C)	50	≤ 2.0	20dB (3350~4360MHz) 45dB (5085~6540MHz)	2	

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MLPF15M2450P69-L33	2400~2500	0.55 (@25°C) 0.65 (@-40~85°C)	50	≤ 2.0	30dB (4800~5000MHz) 35dB (7200~7500MHz)	2	
MLPF15M2550P69-L31	2400~2700	0.5	50	≤ 2.0	30dB (4800~5400MHz) 25dB (7200~8100MHz)	1.5	
MLPF15M3750P69-L36	3300~4200	0.5	50	≤ 1.6	35dB (6600~8400MHz) 35dB (9900~12600MHz) 35dB (13200~16800MHz)	1.0	
MLPF15M4700P69-L37	4400~5000	0.5	50	≤ 1.6	35dB (8800~10000MHz) 35dB (13200~15000MHz)	1.0	
MLPF18M0829P69-L19	698~960	0.7	50	≤ 2.0	30dB (1554~1610MHz) 35dB (1805~1830MHz) 35dB (2110~2170MHz) 30dB (1710~2700MHz)	2	
MLPF18M0829P69-L19N	698~960	0.9 (@25°C) 1.1 (@-40~85°C)	50	≤ 2.0	20dB (1350~1920MHz) 48dB (2070~2880MHz)	2	

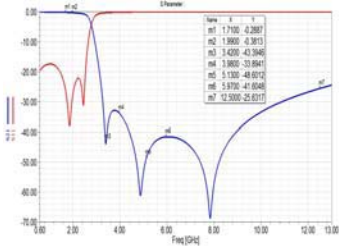

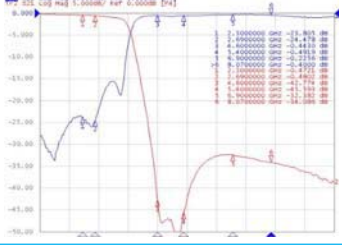
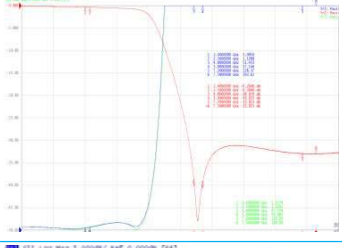
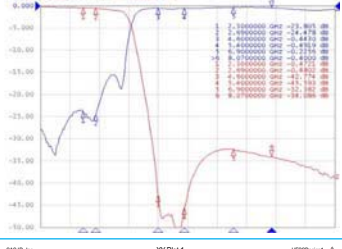
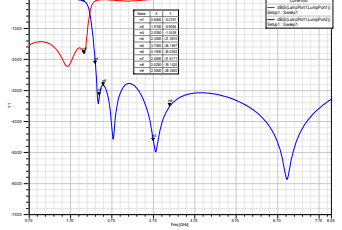
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Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.)	Impedance (Ω)	VSWR (in BW)	Attenuation (dB/Min.)	Power Cap. (W/Max.)	Electrical Characteristics
MLPF18M0829P69-L20	699~787 787~960	0.6 0.7	50	≤ 2.0	30dB (1427~1920MHz) 30dB (2097~2880MHz)	3	
MLPF18M0830P69-L23	700~960	0.7	50	≤ 1.8	30dB (1710~1785MHz) 28dB (1785~2300MHz) 34dB (2300~2690MHz) 25dB (2690~3800MHz) 20dB (3800~5100MHz) 25dB (5100~5850MHz) 17dB (5850~5925MHz)	2	
MLPF18M1435P69-L24	700~2170	0.55	50	≤ 1.8	25dB (3400~3600MHz) 35dB (3600~3800MHz) 30dB (3800~5100MHz) 30dB (5100~5900MHz) 15dB (5900~8000MHz)	3	
MLPF18M1695P69-L27	700~2690	0.5	50	≤ 1.8	20dB (4600~5000MHz) 35dB (5000~5200MHz) 36dB (5200~5400MHz) 35dB (5400~5900MHz) 15dB (5900~8000MHz)	3	
MLPF18M1700P69-L16	673~2690	0.5	50	≤ 2.0	35dB (4950~6000MHz) 35dB (6000~7500MHz) 25dB (7500~8100MHz) 35dB (7500~8100MHz) 35dB (8100~10500MHz) 27dB (10500~12000MHz)	2	
MLPF18M1700P69-L35	600~2700	0.65 (@25°C) 0.8 (@-40~85°C)	50	≤ 2.0	40dB (3420~3570MHz) 25dB (5150~5960MHz)	4	

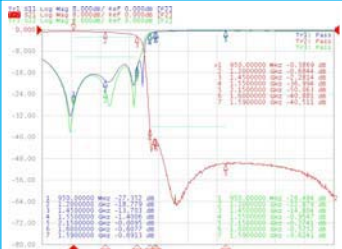
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Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.) (@25°C) (@-40~85°C)	Impedance (Ω)	VSWR (in BW)	Attenuation (dB/Min.)	Power Cap. (W/Max.)	Electrical Characteristics
MLPF18M1850P69-L21	1710~1990	0.5 (@25°C) 0.6 (@-40~85°C)	50	≤2.0	30dB (3420~3980MHz) 28dB (5130~5970MHz) 25dB (5970~12500MHz)	2	
MLPF18M1880P69-L18	1880~2025	0.8 (@25°C) 1.0 (@-40~85°C)	50	≤2.0	15dB (2400~2500MHz) 20dB (5150~5850MHz) 20dB (3760~4050MHz) 15dB (5640~6075MHz) 20dB (7520~8100MHz)	2	
MLPF18M2450P69-L13	2400~2500	0.5	50	≤2.0	35dB (4800~5000MHz) 27dB (7200~7500MHz)	2	
MLPF18M2450P69-L22	2400~2500	0.5	50	≤1.5	35dB (4800~5000MHz) 30dB (7200~7500MHz)	3	
MLPF18M2500P69-L12	2300~2700	0.5	50	≤2.0	27dB (4600~5400MHz) 25dB (6900~8100MHz)	2	
MLPF21M0820P69-L08	800~1000 1700~1910 2010~2025	0.5 0.8 1.5	50	≤2.0	20dB (2300~6100MHz) 30dB (3700~4100MHz) 10dB (6100~8000MHz)	2	

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MLPF43M1G20P69-L25	950~1450	3.5 (@25°C) 4.0 (@-40~85°C)	50	≤ 2.0	30dB (1550~2150MHz)	1.0	
MLPF43M1G20P69-L26	950~1450	3.5 (@25°C) 4.0 (@-40~85°C)	50	≤ 2.0	42dB (1550~2150MHz)	1.0	