

BAND PASS FILTER

Multilayer Chip Type

Small Size • Low Loss • High Reliability

Simplify Circuit Design & Tuning



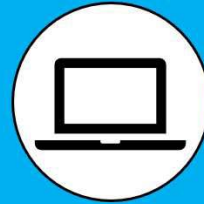
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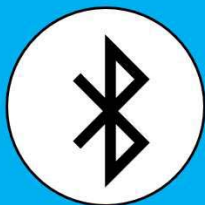
PDA



RF DEVICE



NOTEBOOK



BLUETOOTH



WLAN



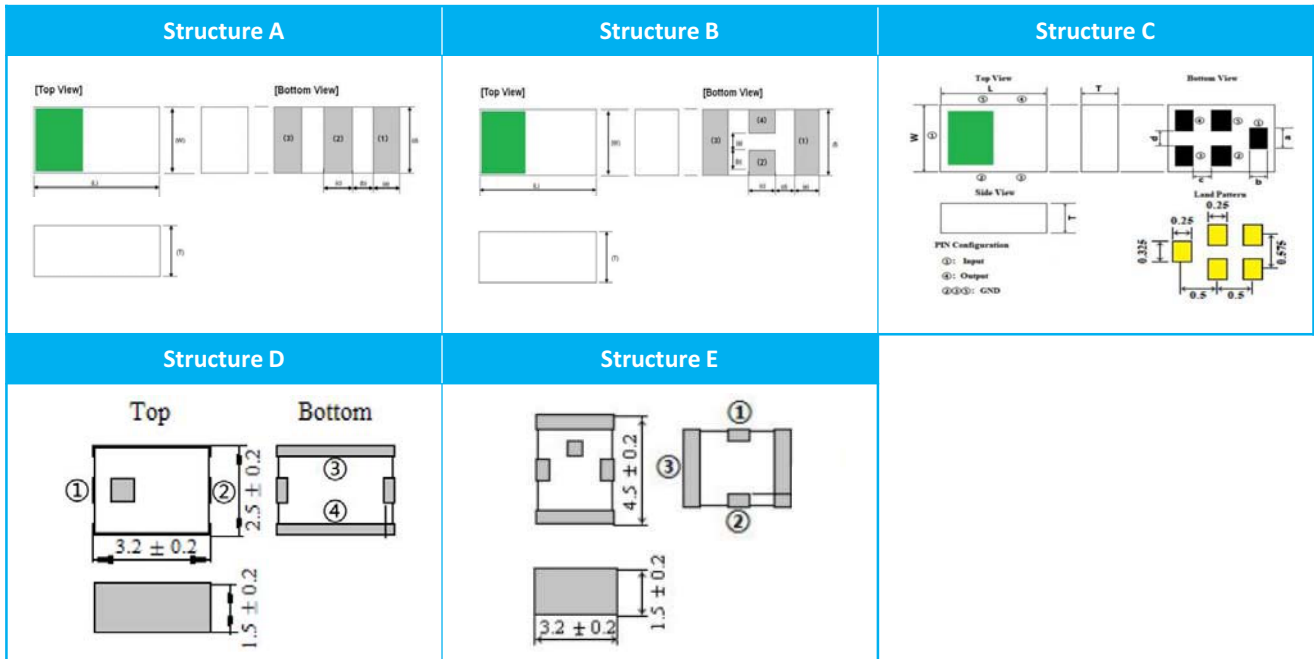
GPS



DVD

BAND PASS FILTER

Product Structure



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Pin Description & Dimension

Shinhom P/N	Structure	Size (mm)			Pin No. & Description					
		L	W	T	1	2	3	4	5	6
MBPF11M2450P69-N116	C	1.1±0.10	0.9±0.10	0.6±0.10	In	GND	GND	Out	GND	
MBPF14M2450P69-N115	C	1.4±0.15	1.1±0.15	0.6±0.10	In	GND	GND	Out	GND	
MBPF14M2450P69-N115L	C	1.4±0.15	1.1±0.15	0.6±0.10	In	GND	GND	Out	GND	
MBPF18M1915-N39	A	1.6±0.10	0.8±0.10	0.6±0.10	In/Out	GND	In/Out			
MBPF18M1915-N39B	B	1.6±0.10	0.8±0.10	0.6±0.10	In/Out	GND	In/Out	GND		
MBPF18M2450-M11	B	1.6±0.05	0.8±0.05	0.6±0.05	In/Out	GND	In/Out	GND		
MBPF18M2450-N86	B	1.6±0.05	0.8±0.05	0.55±0.05	In/Out	GND	In/Out	GND		
MBPF18M2450P69-N107	A	1.6±0.15	0.8±0.10	0.6±0.05	In/Out	GND	In/Out			
MBPF18M5425P69-N106	A	1.6±0.10	0.8±0.10	0.6±0.10	In/Out	GND	In/Out			
MBPF18M5500P69-N109	A	1.6±0.10	0.8±0.10	0.6±0.10	In/Out	GND	In/Out			
MBPF18M5537-N10	A	1.6±0.10	0.8±0.10	0.7 Max.	In/Out	GND	In/Out			
MBPF21B2450H46-N36	B	2.0±0.15	1.25±0.10	0.95±0.1	In/Out	GND	In/Out	GND		
MBPF21M2450-N81W	A	2.0±0.20	1.25±0.10	0.8±0.1	In/Out	GND	In/Out			
MBPF21M3550-N11	A	2.0±0.20	1.25±0.10	0.7 Max.	In/Out	GND	In/Out			
MBPF21M3600-N42	A	2.0±0.20	1.25±0.10	0.8±0.1	In/Out	GND	In/Out			
MBPF21M4700-N12	A	2.0±0.20	1.25±0.10	0.7 Max.	In/Out	GND	In/Out			
MBPF32M2593P69-N06	A	3.2±0.20	2.5±0.20	1.0 Max.	In/Out	GND	In/Out			
MBPF3225H1GP69-N190	D	3.2±0.20	2.5±0.20	1.5±0.2	In	Out	GND	GND		
MBPF43M1071P69-N94	E	4.5±0.20	3.2±0.20	1.5±0.2	In	Out	GND	GND		
MBPF43M1416P69-N95	E	4.5±0.20	3.2±0.20	1.5±0.2	In	Out	GND	GND		
MBPF43M1739P69-N96	D	4.5±0.20	3.2±0.20	1.5±0.2	In	Out	GND	GND		
MBPF43M2051P69-N97	E	4.5±0.20	3.2±0.20	1.5±0.2	In	Out	GND	GND		

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Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.)	Impedance (Ω)	VSWR (in BW)	Power Cap. (W/Max.)	Attenuation (dB/Min.)	Electrical Characteristics
MBPF11M2450P69-N116	2400~2500	1.8	50	≤2.0	2	35dB (824 ~ 960MHz) 38dB (1545 ~ 1605MHz) 20dB (1710 ~ 1990MHz) 8dB (2110 ~ 2170MHz) 35dB (3600MHz) 35dB (4800 ~ 5000MHz) 35dB (7200 ~ 7500MHz)	
MBPF14M2450P69-N115	2400~2500	1.8	50	≤2.0	2	40dB (824 ~ 960MHz) 40dB (1545 ~ 1605MHz) 20dB (1710 ~ 1990MHz) 8dB (2110 ~ 2170MHz) 35dB (3600MHz) 35dB (4800 ~ 5000MHz) 35dB (7200 ~ 7500MHz)	
MBPF14M2450P69-N115L	2400~2500	1.1	50	≤2.0	2	20dB (50 ~ 960MHz) 10dB (1710 ~ 1990MHz) 9dB (3600MHz) 35dB (4800 ~ 7200MHz)	
MBPF18M1915-N39	1805~2025	1.6	50	≤2.0	2	30dB (700 ~ 950MHz) 15dB (950 ~ 1050MHz) 25dB (2400 ~ 2500MHz) 35dB (2700 ~ 5400MHz) 35dB (5500 ~ 6200MHz) 35dB (9350 ~ 10150MHz) 20dB (10500 ~ 12750MHz)	
MBPF18M1915-N39B	1805~2025	2	50	≤2.0	2	20dB (1545 ~ 1610MHz) 25dB (2400 ~ 2500MHz) 25dB (5150 ~ 5850MHz)	
MBPF18M2450-M11	2400~2500	2.4 (@25°C) 2.7 (@-40~+85°C)	50	≤2.1	0.5	25dB (880 ~ 960MHz) 28dB (1710 ~ 1910MHz) 20dB (4800 ~ 5000MHz) 25dB (7200 ~ 7500MHz)	

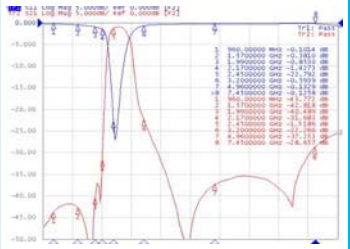
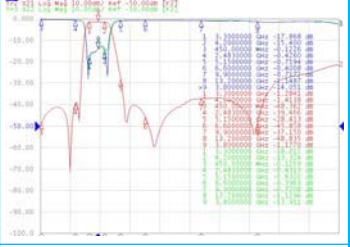
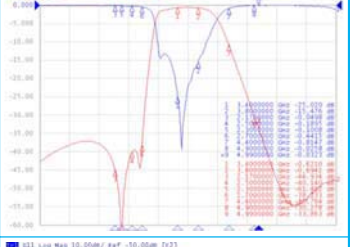
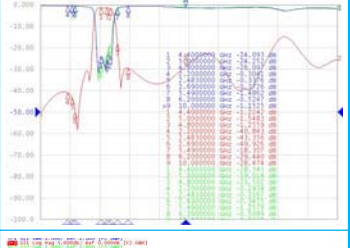
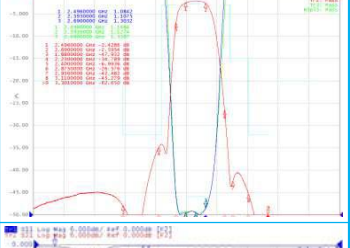
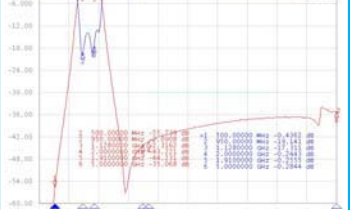
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Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.) (@25°C) (@-40~+85°C)	Impedance (Ω)	VSWR (in BW)	Power Cap. (W/Max.)	Attenuation (dB/Min.)	Electrical Characteristics
MBPF18M2450-N86	2400~2500	1.8 (@25°C) 2.1 (@-40~+85°C)	50	≤2.0	0.5	35dB (824 ~ 960MHz) 35dB (1710 ~ 1990MHz) 25dB (4800 ~ 5000MHz)	
MBPF18M2450P69-N107	2400~2500	0.95 (@25°C) 1.25 (@-40~+85°C)	50	≤2.0	0.5	20dB (500 ~ 960MHz) 23dB (3200MHz) 30dB (4800 ~ 5000MHz) 32dB (7200 ~ 7500MHz)	
MBPF18M5425P69-N106	4900~5950	0.85	50	≤2.0	2	28dB (30 ~ 2700MHz) 22dB (9800 ~ 11900MHz) 7dB (14700 ~ 17850MHz)	
MBPF18M5500P69-N109	4900~5950	1.3	50	≤2.0	0.5	38dB (30 ~ 2700MHz) 16dB (3453 ~ 3547MHz) 33dB (3667 ~ 3883MHz) 9dB (6900 ~ 7093MHz) 32dB (7333 ~ 7750MHz) 40dB (10600 ~ 11650MHz) 18dB (15540~17600MHz)	
MBPF18M5537-N10	5150~5925	1.5 (@25°C) 1.7 (@-40~+85°C)	50	≤2.0	0.63	35dB (700~2690MHz) 28dB (3300~4200MHz) 3.5dB (4400~4600MHz) 10dB (5950~6900MHz) 8dB (6900~7200MHz) 20dB (7200~7800MHz) 18dB (7800~9800MHz) 20dB (9800~11700MHz) 12dB (14700~17850MHz)	
MBPF21B2450H46-N36	2400~2500	2.5 (@-40~+85°C)	50	≤2.0	0.5	35dB (880~915MHz) 38dB (1710~1910MHz) 12dB (2110~2170MHz) 25dB (4800~5000MHz)	

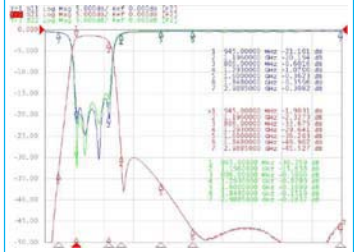
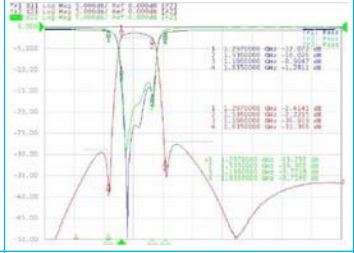
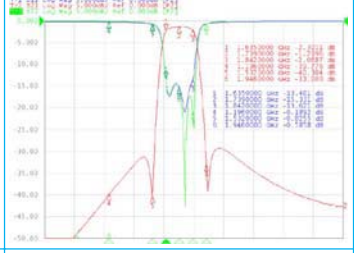
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Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.) (@-40~+85°C)	Impedance (Ω)	VSWR (in BW)	Power Cap. (W/Max.)	Attenuation (dB/Min.)	Electrical Characteristics
MBPF21M2450-N81W	2400~2500	1.8 (@25°C) 2.1 (@-40~+85°C)	50	≤2.0	2	40dB (824~960MHz) 40dB (1545~1605MHz) 35dB (1710~990MHz) 30dB (2170MHz) 18dB (3200MHz) 35dB (4800 ~ 4967MHz) 35dB (5150 ~ 6000MHz) 25dB (7200 ~ 7500MHz)	
MBPF21M3550-N11	3300~4200	2.0 (@25°C) 2.25 (@-40~+85°C)	50	≤2.1	1.585	36dB (450~2200MHz) 38dB (2300~2483MHz) 33dB (2496~2690MHz) 25dB (5150~5850MHz) 25dB (6600~8400MHz) 15dB (9900~12600MHz) 15dB (13200~16800MHz)	
MBPF21M3600-N42	3400~3800	0.85 (@25°C) 1.3 (@-40~+85°C)	50	≤2.0	2	35dB (DC~2170MHz) 35dB (2300~2700MHz) 10dB (4400~4900MHz) 30dB (4990MHz)	
MBPF21M4700-N12	4400~5000	2.0 (@25°C) 2.3 (@-40~+85°C)	50	≤2.0	1.585	37dB (450~2200MHz) 37dB (2300~2483MHz) 33dB (2496~2690MHz) 15dB (5490~5670MHz) 25dB (5670~5950MHz) 25dB (6200~8000MHz) 22dB (8800~10000MHz) 10dB (13200~15000MHz) 10dB (17600~20000MHz)	
MBPF32M2593P69-N06	2496~2690	3	50	≤2.0	0.5	20dB (800~1880MHz) 32dB (1880~2230MHz) 3dB (2230~2400MHz) 3dB (2875~2956MHz) 15dB (2956~3110MHz) 32dB (3110~3301MHz) 20dB (3400~3800MHz)	
MBPF3225H1GP69-N190	950~1128	3.0 (@25°C) 3.5 (@-55~+85°C)	50	≤2.0	2	35dB (DC~550MHz) 35dB (1700MHz) 30dB (2000~5000MHz)	

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Electrical Characteristics

Shinohm P/N	Freq. Range (MHz)	I. L. (dB/Max.) (@-40~+85°C)	Impedance (Ω)	VSWR (in BW)	Power Cap. (W/Max.)	Attenuation (dB/Min.)	Electrical Characteristics
MBPF43M1071P69-N94	945~1196	4.0 (@25°C) 4.5 (@-40~+85°C)	50	≤2.0	1	25dB (10~806MHz) 29dB (1293~1576MHz) 36dB (1600~1848MHz)	
MBPF43M1416P69-N95	1297~1536	4.0 (@25°C) 4.5 (@-40~+85°C)	50	≤2.0	1	29dB (950~1196MHz) 27dB (1635~1842MHz) 33dB (1946~2150MHz)	
MBPF43M1739P69-N96	1635~1842	4.0 (@25°C) 4.5 (@-40~+85°C)	50	≤2.0	1	36dB (950~1196MHz) 31dB (1299~1532MHz) 27dB (1946~2150MHz)	
MBPF43M2051P69-N97	1946~2155	4.0 (@25°C) 4.5 (@-40~+85°C)	50	≤2.0	1	36dB (1293~1576MHz) 31dB (1600~1848MHz) 22dB (2250~3000MHz)	