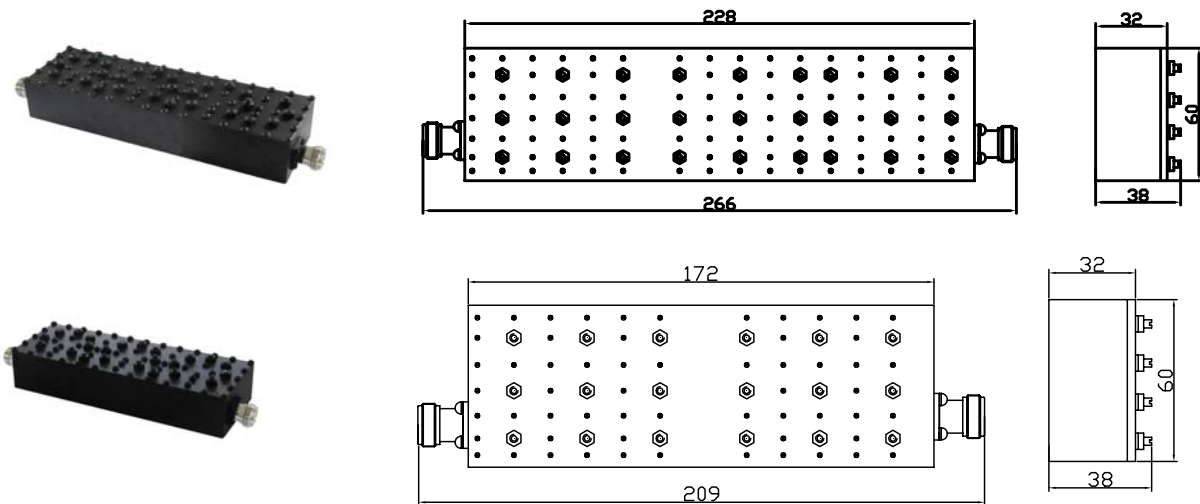


Model SHX-BPF Bandpass Filter



Filter is a kind of the device that allowing a certain part of the frequency of the signal through smoothly, and inhibit the other part of the frequency of the signal. Can pass the frequency range of the signal in the filter, known as the passband; On the other hand, the signal attenuation or completely suppressed was very frequency range is called the band rejection. It is small with firm structure and high stability etc.

ELECTRICAL SPECIFICATIONS

Model Number	Pass Band(MHz)	Reject Band(MHz)	Insertion Loss(dB)	Return Loss(dB)	Rejection (dB)	Connector Type	Dimension (mm)
SHX-BPF-1710-1785-70	1710-1785	DC-1705 1790-3000	≤5.0	≥15	70	N	228×60×38
SHX-BPF-1880-1915-70	1880-1915	DC-1875 1920-3000	≤4.5	≥15	70	N	172×60×38
SHX-BPF-1920-1980-70	1920-1980	DC-1915 1985-3000	≤5.0	≥15	70	N	228×60×38
SHX-BPF-2320-2370-70	2320-2370	DC-2315 2375-3000	≤4.8	≥15	70	N	228×60×38
SHX-BPF-2575-2615-70	2575-2615	DC-2570 2620-3000	≤4.5	≥10	70	N	172×60×38

NOMINAL IMPEDANCE: 50Ω

TEMPERATURE RANGE: 0°C~+40°C

Notes:

1. Dimensions Tolerance ±2%

Model SHX-BRF Band Reject Filter



Filter is a kind of the device that allowing a certain part of the frequency of the signal through smoothly, and inhibit the other part of the frequency of the signal. Can pass the frequency range of the signal in the filter, known as the passband; On the other hand, the signal attenuation or completely suppressed was very frequency range is called the band rejection. It is small with firm structure and high stability etc.

ELECTRICAL SPECIFICATIONS

Model Number	Pass Band(MHz)	Reject Band(MHz)	Pass Band Loss(dB)	Pass band Flatness(dB)	Return Loss(dB)	Reject Attenuation(dB)	Power Handling In Pass Band	Connector Type	Dimension (mm)
SHX-BRF-1805-1875-70	600-1800 1880-3000	1805-1875	≤6.0	≤4.5	≥11	≥70@ 1805-1875MHz	30W CW 300W Peak	N	320×160×50
SHX-BRF-1880-1915-70	600-1875 1920-3000	1880-1915	≤6.0	≤4.5	≥11	≥70@ 1800-1915MHz		N	320×72×50
SHX-BRF-2110-2170-70	9K-2105 2175-3000	2110-2170	≤6.0	≤4.5	≥10	≥70@ 2110-2170MHz		N	320×72×50
SHX-BRF-2320-2370-60	1-2315 2375-4000	2320-2370	≤5.0	≤3.5	≥10	≥60@ 2320-2370MHz		N	320×160×50
SHX-BRF-2575-2615-70	2450-2570 2620-2740	2575-2615	≤5.0	/	/	≥70@ 2575-2615MHz	1W CW 10W Peak	N	320×72×50

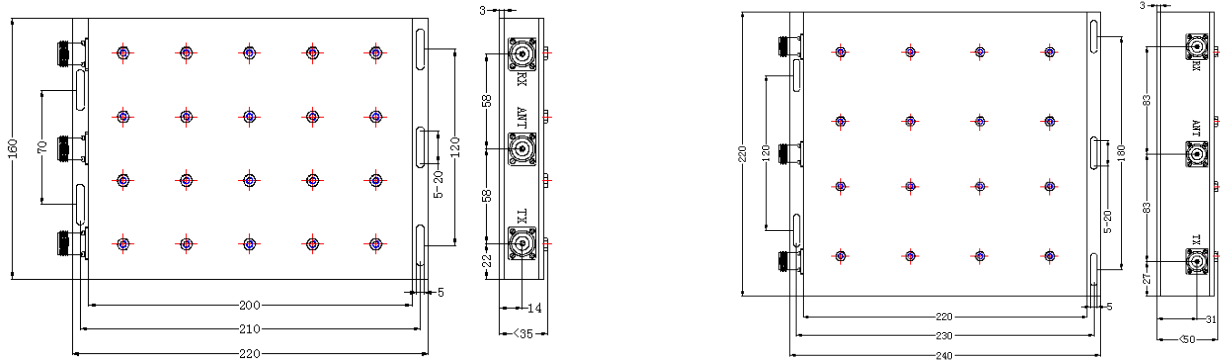
NOMINAL IMPEDANCE: 50Ω

TEMPERATURE RANGE: +10°C~+30°C

Notes:

1. Dimensions Tolerance ±2%

Model SHX-DUP Duplexer



Duplexer is the main parts of pilot frequency duplex radio and relay station, its effect is to isolate transmit and receive signals. To ensure receive and transmit can work at the same time. It is composed of two groups of different frequencies of band rejection filters, avoid the native emission signal transmission to the receiver, it is small with firm structure and high stability etc.

ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(MHz)	Insertion Loss(dB)	Rejection (dB)	VSWR	Isolation (dB)	Connector Type	Dimension (mm)
SHX-DUP-791M-862M	RX:832-862MHz	≤1.2dB	≥60dB@DC-822MHz ≥60dB@872-4000MHz	≤1.58	≥50dB	N-50K	240×220×50
	TX:791-821MHz	≤1.2dB	≥60dB@DC-781MHz ≥60dB@831-4000MHz				
SHX-DUP-2500M-2690M	RX:2500-2570MHz	≤1.8dB	≥60dB@DC-2490MHz ≥60dB@2580-4000MHz	≤1.58	≥50dB	N-50K	220×160×35
	TX:2620-2690MHz	≤1.8dB	≥60dB@DC-2610MHz ≥60dB@2700-4000MHz				

NOMINAL IMPEDANCE: 50Ω

TEMPERATURE RANGE: +10°C~+30°C

Notes:

1. Dimensions Tolerance ±2%