

Preliminary Specifications1

Serial	Parameters	
1	Center Frequency (F0)	8400MHz
2	3dB Bandwidth	$\pm 350\text{MHz}$ (8050~8750MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 8400MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 8080~8720MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 7750MHz $\geq 40\text{dB}$ @ 7950MHz $\geq 40\text{dB}$ @ 8850MHz $\geq 80\text{dB}$ @ 9050MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	100*16*10 mm

Preliminary Specifications3

Serial	Parameters	
1	Center Frequency (F0)	9000MHz
2	3dB Bandwidth	$\pm 200\text{MHz}$ (8800~9200MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 9000MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 8830~9170MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 8500MHz $\geq 40\text{dB}$ @ 8700MHz $\geq 40\text{dB}$ @ 9300MHz $\geq 80\text{dB}$ @ 9500MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	90*16*10 mm

Preliminary Specifications2

Serial	Parameters	
1	Center Frequency (F0)	8700MHz
2	3dB Bandwidth	$\pm 300\text{MHz}$ (8400~9000MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 8700MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 8430~8970MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 8100MHz $\geq 40\text{dB}$ @ 8300MHz $\geq 40\text{dB}$ @ 9100MHz $\geq 80\text{dB}$ @ 9300MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	95*16*9 mm

Preliminary Specifications4

Serial	Parameters	
1	Center Frequency (F0)	9830MHz
2	3dB Bandwidth	$\pm 300\text{MHz}$ (9530~10130MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 9830MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 9560~10100MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 9230MHz $\geq 40\text{dB}$ @ 9430MHz $\geq 40\text{dB}$ @ 10230MHz $\geq 80\text{dB}$ @ 10430MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	95*16*9 mm

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Serial	Parameters	
1	Center Frequency (F0)	10500MHz
2	3dB Bandwidth	$\pm 400\text{MHz}$ (10100~10900MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 10500MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 10130~10870MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 9800MHz $\geq 40\text{dB}$ @ 10000MHz $\geq 40\text{dB}$ @ 11000MHz $\geq 80\text{dB}$ @ 11200MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	110*16*9 mm

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Serial	Parameters	
1	Center Frequency (F0)	11350MHz
2	3dB Bandwidth	$\pm 400\text{MHz}$ (10950~11750MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 11350MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 10980~11720MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 10650MHz $\geq 40\text{dB}$ @ 10850MHz $\geq 40\text{dB}$ @ 11850MHz $\geq 80\text{dB}$ @ 12050MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	110*16*9 mm

Preliminary Specifications7

Serial	Parameters	
1	Center Frequency (F0)	12000MHz
2	3dB Bandwidth	$\pm 250\text{MHz}$ (11750~12250MHz)
3	Insertion Loss at F0	$\leq 2.0\text{dB}$ @ 12000MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 11780~12220MHz
5	Stop Band Rejection	$\geq 80\text{dB}$ @ 11450MHz $\geq 40\text{dB}$ @ 11650MHz $\geq 40\text{dB}$ @ 12350MHz $\geq 80\text{dB}$ @ 12550MHz
6	Impedance	50 ohms
7	Power Handling	$\leq 5\text{W}$
8	Connectors	SMA-Female
9	Surface Finish	Black Paint
10	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
11	Net Weight	TBD
12	Approx Size	90*16*9 mm

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Serial	Parameters	
1	Center Frequency (F0)	14000MHz
2	3dB Bandwidth	$\pm 250\text{MHz}$ (13750~14250MHz)
3	Insertion Loss at F0	$\leq 3.0\text{dB}$ @ 14000MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 13850~14150MHz
5	Pass Band Ripple	$\leq 0.6\text{dB}$ @ 13850~14150MHz
6	Stop Band Rejection	$\geq 70\text{dB}$ @ 13450MHz $\geq 35\text{dB}$ @ 13650MHz $\geq 35\text{dB}$ @ 14350MHz $\geq 70\text{dB}$ @ 14550MHz
7	Impedance	50 ohms
8	Power Handling	$\leq 5\text{W}$
9	Connectors	SMA-Female
10	Surface Finish	Black Paint
11	Operating Temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
12	Net Weight	TBD
13	Approx Size	80*16*9 mm

Preliminary Specifications6

Serial	Parameters	
1	Center Frequency (F0)	16500MHz
2	3dB Bandwidth	$\pm 400\text{MHz}$ (16100~16900MHz)
3	Insertion Loss at F0	$\leq 3.0\text{dB}$ @ 16500MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 16250~16750MHz
5	Pass Band Ripple	$\leq 0.6\text{dB}$ @ 16250~16750MHz
6	Stop Band Rejection	$\geq 70\text{dB}$ @ 15800MHz $\geq 35\text{dB}$ @ 16000MHz $\geq 35\text{dB}$ @ 17000MHz $\geq 70\text{dB}$ @ 17200MHz
7	Impedance	50 ohms
8	Power Handling	$\leq 5\text{W}$
9	Connectors	SMA-Female
10	Surface Finish	Black Paint
11	Operating Temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
12	Net Weight	TBD
13	Approx Size	100*16*9 mm

Preliminary Specifications5

Serial	Parameters	
1	Center Frequency (F0)	16800MHz
2	3dB Bandwidth	$\pm 400\text{MHz}$ (16400~17200MHz)
3	Insertion Loss at F0	$\leq 3.0\text{dB}$ @ 16800MHz
4	Pass Band VSWR	$\leq 1.3:1$ @ 16550~17050MHz
5	Pass Band Ripple	$\leq 0.6\text{dB}$ @ 16550~17050MHz
6	Stop Band Rejection	$\geq 70\text{dB}$ @ 16100MHz $\geq 35\text{dB}$ @ 16300MHz $\geq 35\text{dB}$ @ 17300MHz $\geq 70\text{dB}$ @ 17500MHz
7	Impedance	50 ohms
8	Power Handling	$\leq 5\text{W}$
9	Connectors	SMA-Female
10	Surface Finish	Black Paint
11	Operating Temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
12	Net Weight	TBD
13	Approx Size	100*16*9 mm