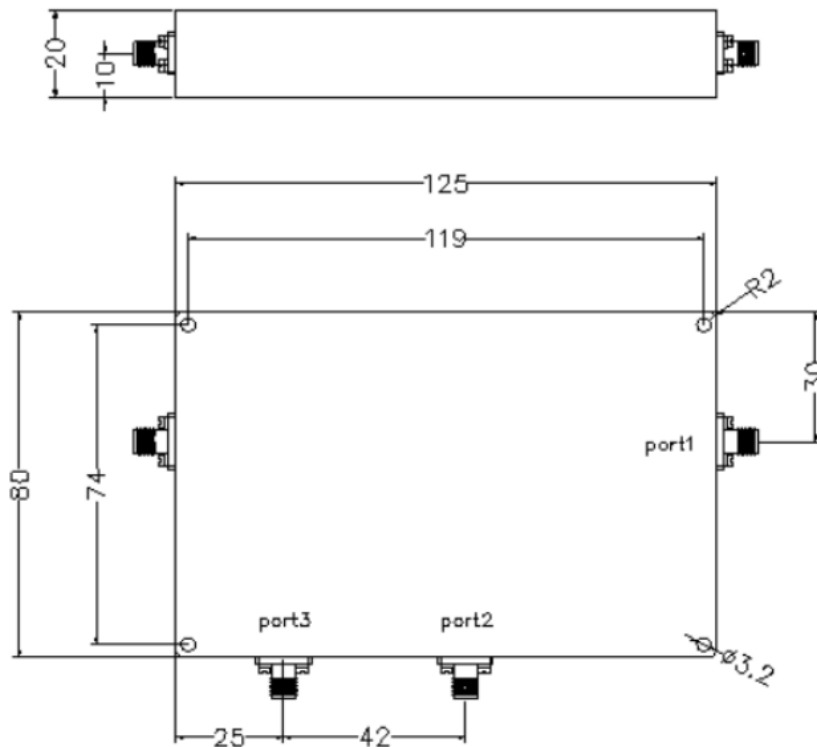


Triplexer

Preliminary Specifications

Serial	Parameters	Port1	Port2	Port3
1	Frequency range	1080-1680MHz	2400-2700MHz	3000-6000MHz
2	Insertion loss	≤1.0dB	≤1.0dB	≤1.0dB
3	Ripple	≤0.5dB	≤0.5dB	≤0.5dB
4	Return loss	≤12dB	≤12dB	≤12dB
5	Rejections	≥15dB @ 2400-2700MHz ≥15dB @ 3000-6000MHz	≥15dB @ 1080-1680MHz ≥15dB @ 3000-6000MHz	≥15dB @ 1080-1680MHz ≥15dB @ 2400-2700MHz
6	Impedance	50 Ohms		
7	Average power	50W		
8	Temperature Range	-40°C to +85°C		
9	Connectors	SMA-Female		
10	Finish	Black Paint		
11	Dimension	L x W x H: 125mm x 80mm x 20mm		
12	Configuration	As below (Unit:mm)		



Simulation

m7 freq=3.000GHz dB(S(1,1))=-25.744	m8 freq=2.700GHz dB(S(1,2))=-25.031
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m3 freq=2.400GHz dB(S(1,1))=-23.760	m4 freq=2.700GHz dB(S(1,1))=-24.614	m5 freq=1.680GHz dB(S(1,3))=-25.721	m6 freq=3.000GHz dB(S(1,3))=-25.096
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m1 freq=1.680GHz dB(S(1,1))=-25.042	m2 freq=2.400GHz dB(S(1,4))=-25.336
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