

Cavity Combiner

A2CCBK244310FLP

Revision record

Date	Version	Author	Revision description	Comment
2024/09/06	V1.1	Lee	Created	/

Electrical specification

Parameter	P1	P2
Frequency range	80-520MHz	694-2700MHz
Return loss	≥16.5dB	≥16.5dB@694-960MHz ≥12.5dB@960-1500MHz ≥16.5dB@1500-2700MHz
Insertion loss	≤0.4dB	≤0.6dB
PIM	/	≤-155dBc@2*900MHz, +43dBm tones ≤-161dBc@2*1900MHz, +43dBm tones
DC pass	3A max	/
Isolation	≥50dB@80-520MHz ≥40dB@694-800MHz ≥50dB@800-2500MHz ≥30dB@2500-2700MHz	
Average power	120W	
Peak power	3000W	
Operation temperature range	-35°C to +65°C	
Impedance	50Ω	

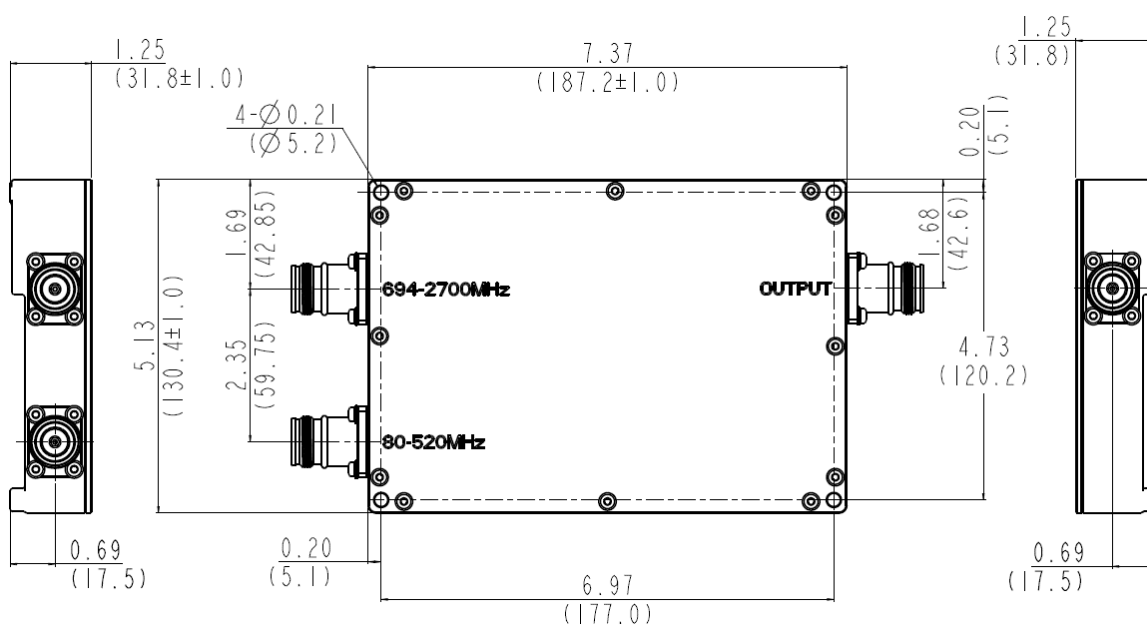
Mechanical specification

Parameter	Specification	
Dimension	L x W x H: 7.37 x 5.13 x 1.25 in, [187.2 x 130.4 x 31.8 mm]	
Port connectors	4.3-10 / Female	
Housing finish	Customization	Conductive oxidation of aluminum alloy
		Black spray paint

		Gray, Akzo Nobel RA7035, Powder spraying
Environmental	IP67	
Weight	≤1.4kg	
Notes	Material shall be RoHS 6/6	

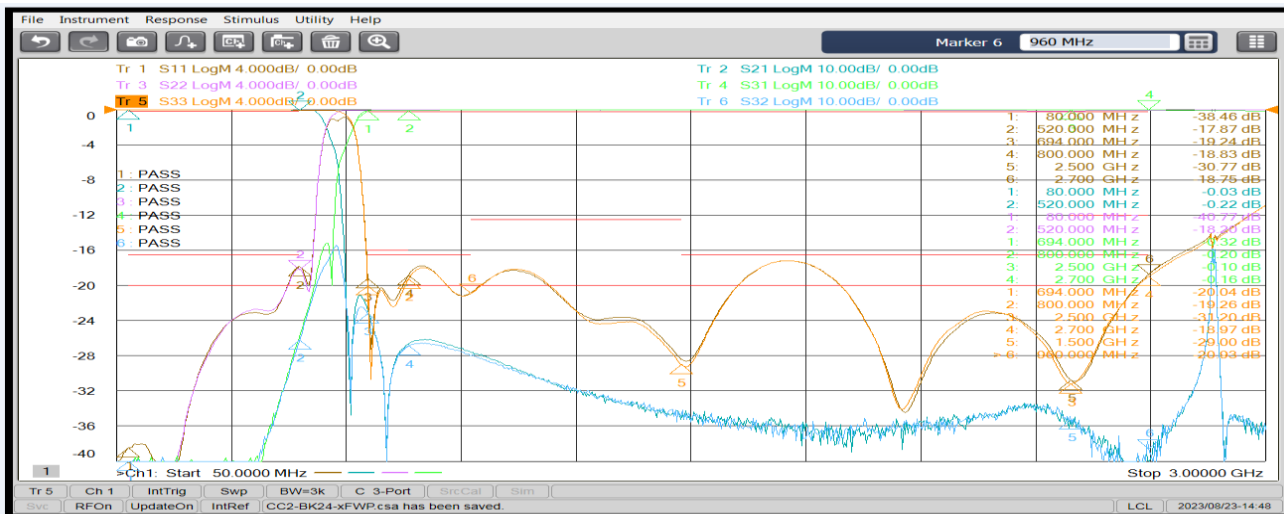


Outline



Test curve

S parameter:



Intermodulation:

