Microlab
A Division of RF Industries

The MCC200-502 filter module is available for C-Band & 3.45GHz applications combining 600-850/PCS/AWS/ WCS-BRS/5GNR n77 Bands. The filter module is low-loss and IP67 rated for outdoor applications.

Port 1 covers 600-850MHz and supports single and dual-band radios. Port 4 is for either WCS or BRS injection. Port 5 offers support for full 5GNR n77, which covers current Licensed C-Band, 3.45GHz, & CBRS as well as support for future n77 applications.

The MCC200 is a available in either a 6RU rack-mount enclosure or compact wall-mount sub-rack.   The rack-mount option accommodates up to (8) filter combiner modules. The wall-mount sub-rack offers 4-slots plus an integrated Ultra-Wideband 4x4 combiner.
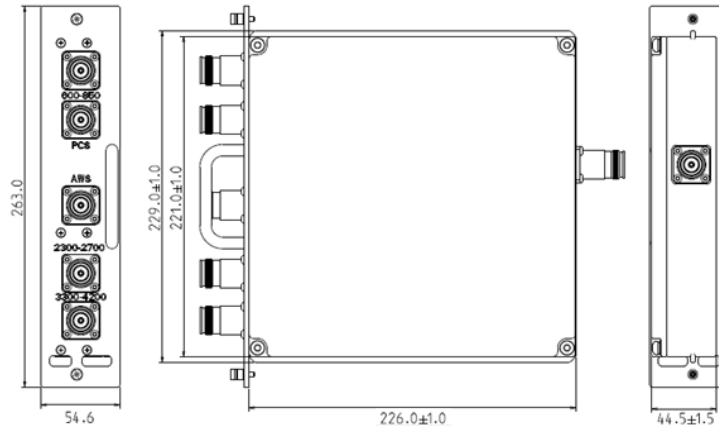
Specification	MCC200-502
Card Type	Pentaplexer
Frequency (MHz)	**600-850:** 617-894 **PCS:**1850-2000 **AWS:**1695-1780 & 2110-2200 **WCS-BRS:**2300-2700 **5GNR n77:** 3300-4200
Insertion Loss	<0.3dB (typ), <0.4 dB (max)
Isolation	>45dB (typ), >40 dB (min)
Return Loss	>20 dB (600-850, AWS, WCS-BRS), >19.1dB (PCS) >17.7dB (3300-4200)
Impedance	50Ω
PIM	<-160 dbc (-117 dBm) (Test with 2x +43dBm tones @ Ambient)
Group Delay (ns)	**600-850**: 2, **AWS-PCS**: 21, **WCS-BRS**: 13, **n77**: 7
Power/Input	40 W avg
Weight, lb (kg)	9 (4.1)
Connector	4.3-10 (f), long-neck
Environment	-25℃ to +65℃
Ingress Protection	IP67
Dimensions	10.35 x 8.89 x 2.15 in [263 x 226.5 x 54.6 mm]
Optional Wallmount Brackets (Kit Sold Separately)	MCC200-500-BKT

Note: Specifications are subject to change without prior notification.

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MCC200-502 Outline

Dimensions in inches [mm]

The trusted solution for mobile network operators and neutral host network providers.

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