

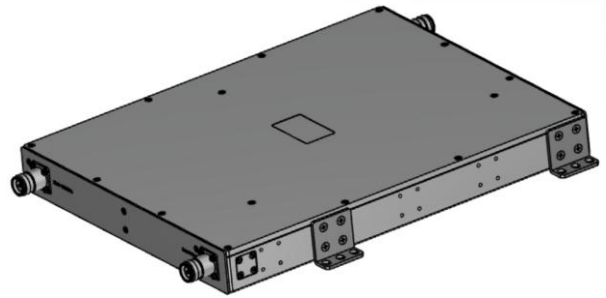
# Commercial Bands/Public Safety/C-Band Diplexer

## SDXS-SCC

This is a Diplexer designed to combine Commercial Bands below 3 GHz and C-Band signals from 3450 to 3980MHz.

In particular, to enhance signal rejection between the Public Safety and Commercial bands, an internal band-rejection filter is incorporated to minimize potential interference.

- Diplexer for sub 3GHz Commercial Bands and 3450-3980MHz C-Band
- Band rejection filters are incorporated to enhance isolation and prevent signal leakage between the Public Safety and Commercial bands
- 35dB Port Isolation
- Wall & Rack Mountable
- Outdoor IP67 Rated
- Low PIM Rated



Parameter		Specifications					
Model		SDXS-SCC					
Input Port Number		Commercial Bands					C-Band
Freq. Range [MHz]		617-768	777-798	817-849	862-894	1710-2690	3450-3980
Insertion Loss [dB] Max.	Center Freq.	0.5	1.6	1.5	1.5	0.5	0.5
	Edge Freq.	6.5	8.3	8.3	8.4	1.0	1.0
Return Loss [dB]		18					
Band Rejection [dB]		35 @769-775MHz / 799-816MHz / 851-861MHz					
Port Isolation [dB]		35					
Power Rating [W]		120					40
PIM [dBc]		-153 @ UL Bands (40dBm x 2 tones)					
IP Rating		IP67					
Operating Temp. [°F]		-4 to +158					
RF Connector		4.3-10 Female					
Size (W x H x D)		12.83" x 16.35" x 1.73"					
Weight [lb]		24					

\* Specifications are subject to change without prior notification.

Rev.0

## Mechanical Drawing

