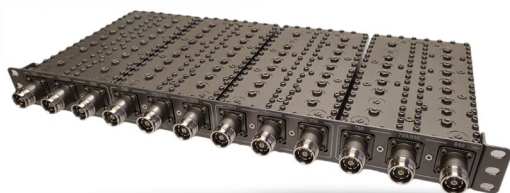


# Arrayed Style Diplexer for Dual-band Radio

SDPX-XX-X

Arrayed style SDPX Diplexer series are ideal for dual-band radios which can support a 2 sector 2x2 MIMO or 1 sector 4x4 MIMO configuration. It separates DL of the dual radio signal which connects to dedicated DAS Head-End RF Card or POI.

- Low PIM Rated
- 100 W/port Avg. Power
- 35 dB Min. Port Isolation
- 4 Diplexer Array – 19" 1U Rack-Mount Option
- 2 Diplexer Array – Stacked Wall-Mount Option
- Can be paired with ASPOI DAS Tray



SDPX Array Diplexer with 19" 1RU Rack-Mount Bracket



SDPX Array Diplexer with Wall-Mount Bracket

Parameter		Specifications		
Model		SDPX-78-R	SDPX-7F-2WB	SDPX-PA-R
Application		Ericsson E4449	Nokia AirScale AHLBA	Ericsson E4455
Diplexer Bands		700/850MHz	700MHz Lower ABC/FirstNet	PCS/AWS
Frequency Range [MHz]	Port 1	700: 698-787	700 Lower: 704-746	PCS: 1850-1995
	Port 2	850: 824-894	700 FirstNet: 758-798	AWS: 1710-1780/2110-2180
Insertion Loss [dB]		0.5		
Ripple [dB]		0.3	0.35	0.3
Return Loss [dB]		18		
Isolation [dB]		35	40	
PIM [dBc]		-161		
Power Rating [W]		100		
Operating Temp. [°F]		+14 to +140		
RF Connector		4.3 – 10 Female		
Size (WxHxD)	Rack	19"x1.72"x8.08"	-	19"x1.72"x7.77"
	Wall	-	8.66"x8.78"x3.52"	-

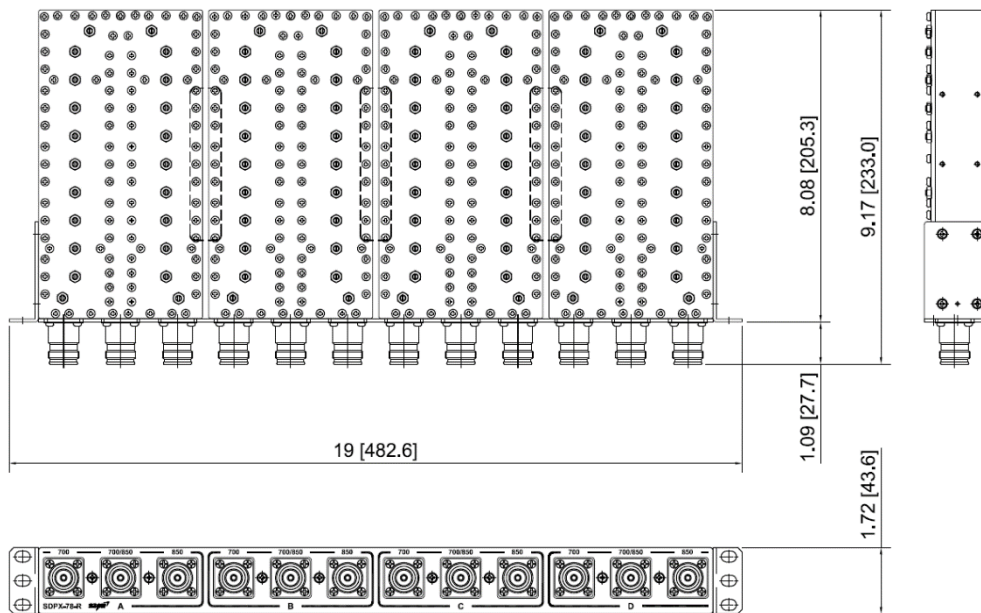
\* Specifications are subject to change without prior notification.

Rev.3

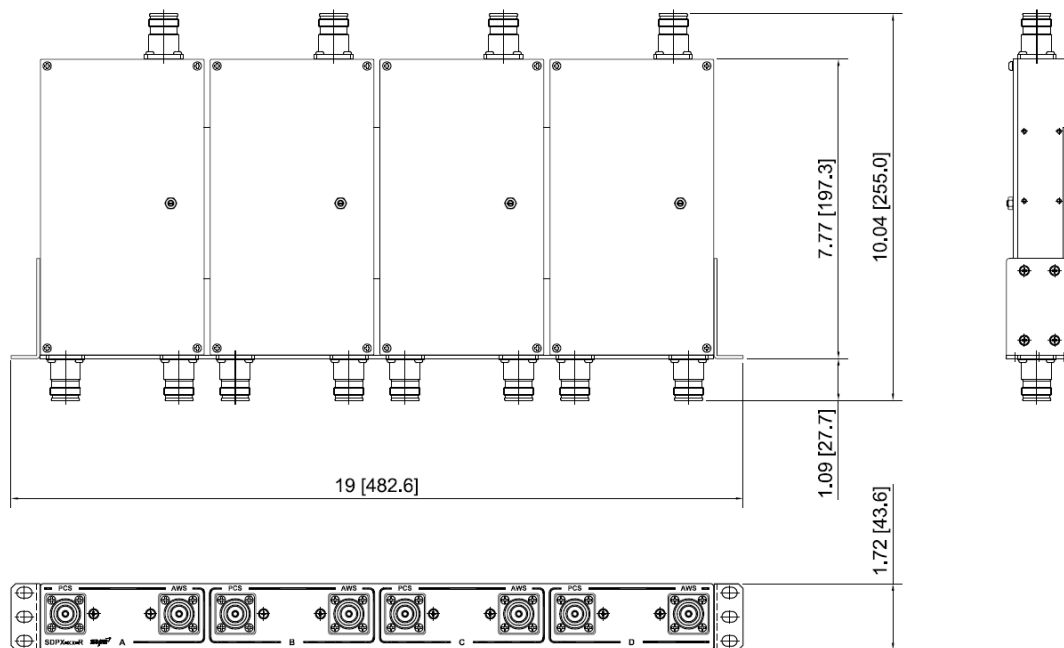
# Arrayed Style Diplexer for Dual-band Radio

## SDPX-XX-X

### Mechanical Drawing



SDPX-78-R



SDPX-PA-R

Inch [mm]

# Arrayed Style Diplexer for Dual-band Radio

## SDPX-XX-X

### Mechanical Drawing

