

QPX-55x-CC

Quadruplexer | 790-960/1710-1880/1920-2170/2500-2690 MHz | Single and Twin Units | Outdoor

- Combines four bands into a single output
- Usable at BTS or antenna end
- Built in lightning protection on all ports
- Available as single or twin unit
- Suitable for outdoor applications

No DC/AISG bypass QPX-550-CC QPX-551-CC Electrical Characteristics 790-960 MHz Channel (Port 1) Frequency Band 790-960 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation 280 dB Input Power 250 W M3, 2x43 dBm < 1.25	Ordering Options	Single Unit	Twin Unit	
Electrical Characteristics 790-960 MHz Channel (Port 1)	When ordering replace "x" with correct option	on for bypass configuration and single or	twin unit.	
Prequency Band Preparation	No DC/AISG bypass	QPX-550-CC	QPX-551-CC	
Frequency Band 790-960 MHz	Electrical Characteristics			
Insertion Loss ≤ 0.7 dB	790-960 MHz Channel (Port 1)			
Solation \$ 1.25	Frequency Band	790-960 MHz		
Input Power 250 W IM3, 2×43 dBm < -160 dBc T710-1880 MHz Channel (Port 2) Frequency Band 1710-1880 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2×43 dBm < -160 dBc T920-2170 MHz Channel (Port 3) Frequency Band 1920-2170 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2×43 dBm ≤ -160 dBc T920-2170 MHz Channel (Port 3) Frequency Band 1920-2170 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2×43 dBm < -160 dBc 2500-2690 MHz Channel (Port 4) Frequency Band 2500-2690 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power ≤ 80 dB Input P	Insertion Loss	≤ 0.7 dB		
Input Power 250 W IM3, 2x43 dBm < -160 dBc	VSWR	≤ 1.25		
IM3, 2x43 dBm < -160 dBc	Isolation	≥ 80 dB		
1710-1880 MHz Channel (Port 2) Frequency Band 1710-1880 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	Input Power	250 W		
Frequency Band 1710-1880 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	IM3, 2x43 dBm	< -160 dBc		
Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	1710-1880 MHz Channel (Port 2)			
VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	Frequency Band	1710-1880 MHz		
Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	Insertion Loss	≤ 0.7 dB		
Input Power 250 W IM3, 2x43 dBm < -160 dBc	VSWR	≤ 1.25		
IM3, 2x43 dBm < -160 dBc	Isolation	≥ 80 dB		
1920-2170 MHz Channel (Port 3) Frequency Band 1920-2170 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	Input Power	250 W		
Frequency Band 1920-2170 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	IM3, 2x43 dBm	< -160 dBc		
Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	1920-2170 MHz Channel (Port 3)			
VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	Frequency Band	1920-21	70 MHz	
Isolation ≥ 80 dB Input Power 250 W IM3, 2x43 dBm < -160 dBc	Insertion Loss	≤ 0.7 dB		
Input Power 250 W IM3, 2x43 dBm < -160 dBc	VSWR	≤ 1.25		
IM3, 2x43 dBm < -160 dBc	Isolation	≥ 80 dB		
2500-2690 MHz Channel (Port 4) Frequency Band 2500-2690 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W	Input Power	250 W		
Frequency Band 2500-2690 MHz Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W	IM3, 2x43 dBm	< -160 dBc		
Insertion Loss ≤ 0.7 dB VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W	2500-2690 MHz Channel (Port 4)			
VSWR ≤ 1.25 Isolation ≥ 80 dB Input Power 250 W	Frequency Band	2500-26	2500-2690 MHz	
Isolation ≥ 80 dB Input Power 250 W	Insertion Loss	≤ 0.	7 dB	
Input Power 250 W	VSWR	≤ 1	.25	
	Isolation	≥ 80) dB	
IM3, 2x43 dBm < -160 dBc	Input Power	250) W	
	IM3, 2x43 dBm	< -16	0 dBc	



Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.



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Operating Temperature		-20° to +60° C (-4° to 140° F)		
Application		Outdoor		
IP Rating		IP67		
Humidity		5-97%		
Lightning Protection		3 kA (10/350 µs)		
Mechanical Characteristic	s			
Connectors		7/16-DIN Female		
Dimensions (H x W x D) Without Connectors or Mounting Brackets	Single Unit	243 x 195 x 55 mm	9.6 x 7.7 x 2.2 in	
	Single Unit	4.5 kg	9.9 lbs	