

DPX-24x-JJ

Diplexer | 700/850+900 | Single and Twin Units | Indoor / Outdoor

- Combines the 700 and 850+900 bands into a single output
- Usable at the BTS or antenna end
- Built in lightning protection on all ports
- Available as single or twin unit, with various DC/AISG bypass configurations
- Suitable for indoor or outdoor applications
- Pole or wall mounting

	Single Unit		Twin Unit		
Ordering Options	7/16-DIN Female Connectors	4.3-10 Female Connectors	7/16-DIN Female Connectors	4.3-10 Female Connectors	
When ordering replace "x" with correct option for bypass configuration and single or twin unit.					
DC/AISG bypass 700 low band	DPX-246-JJ	DPX-246-JJ-43F	DPX-247-JJ	DPX-247-JJ-43F	
DC/AISG bypass 850+900 high band	DPX-244-JJ	DPX-244-JJ-43F	DPX-245-JJ	DPX-245-JJ-43F	
Full DC/AISG bypass	DPX-242-JJ	DPX-242-JJ-43F	DPX-243-JJ	DPX-243-JJ-43F	
Electrical Characteristics					
700 Channel (Low Band)					
Frequency Band	690-806 MHz				
Insertion Loss	< 0.5 dB; 0.3 dB typical				
Isolation	> 45 dB				
VSWR	< 1.25				
Continuous Average Power	< 200 W				
IM3, 2x43 dBm	< -117 dBm				
850+900 Channel (High Band)					
Frequency Band	824-960 MHz				
Insertion Loss	< 0.5 dB; 0.3 dB typical				
Isolation	> 45 dB (> 50 dB with 7/16-DIN Connectors)				
VSWR	< 1.25				
Continuous Average Power	< 200 W				
IM3, 2x43 dBm	< -117 dBm				
DC/AISG Transparency					
Bypass Rating	2500 mA (max)				
Environmental					
Temperature Range	-40° t	o +65° C	-40° to	+149° F	
Ingress Protection	IP67				
Lightning Protection	10 kA 8/20 μs				
Application	Indoor / Outdoor				



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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Mechanical Characteristics				
	4.3-10 Female Long Neck or 7/16-DIN Female Long Neck			
Single Unit	207 x 171 x 53.5 mm	8.1 x 6.7 x 2.1 in		
Twin Unit	207 x 171 x 113 mm	8.1 x 6.7 x 4.4 in		
Single Unit	3.1 kg	6.8 lbs		
Twin Unit	6.3 kg	13.9 lbs		
Single Unit	385 x 310 x 210 mm	15.2 x 12.2 x 8.3 in		
Twin Unit	385 x 310 x 270 mm	15.2 x 12.2 x 10.6 in		
	Description			
ed)	Attach to pole diameter Ø40-Ø135 mm (Ø1.57-Ø5.3 in)			
	Single Unit Twin Unit Single Unit Twin Unit Single Unit Twin Unit	4.3-10 Female Long Neck or 7 Single Unit 207 x 171 x 53.5 mm Twin Unit 207 x 171 x 113 mm Single Unit 3.1 kg Twin Unit 6.3 kg Single Unit 385 x 310 x 210 mm Twin Unit 385 x 310 x 270 mm Descri		