



# MI-727nn Diplexer AWS+PCS



## MASS™

### Microdata Advanced Site Solutions

With our expertise in site system design we are able to provide a solution for any site sharing or upgrade scenario.

Our focus area is RF-filter based solutions including combiners, multi band TMAs, di-, tri- and quadruplexers.

Our product portfolio supports all frequencies for mobile communication bands ranging from 450 MHz to 6 GHz.

Site and network sharing makes it cost efficient to reach sparsely populated areas where new subscribers can contribute to revenue.

## MASS™

### Advantage

#### Increases coverage

more traffic & higher ARPU

#### Increases capacity

more traffic & higher ARPU

#### Reduces the cost

of network expansion

#### Minimizes

site acquisition issues

## Specifications

AWS		
Frequency Band	1695 - 1780, 2110 - 2200 MHz	
Insertion Loss	0.3 dB*, 0.4 dB max over temp	
Return Loss	22 dB*, 20 dB over temp	
Isolation	>40 dB	
Continuous Average Power	50 W	
Intermodulation, 2x40 dBm TX Carrier	-157 dBc	
PCS		
Frequency Band	1850 - 1995 MHz	
Insertion Loss	0.3 dB*, 0.4 dB max over temp	
Return Loss	22 dB*, 20 dB over temp	
Isolation	>40 dB	
Continuous Average Power	50 W	
Intermodulation, 2x40 dBm TX Carrier	-157 dBc	
Environmental		
Operating Temperature Range	-40 to +85°C   -40 to +185°F	
Operation	ETS 300 019-1-4 Class 4.1E	
Storage	ETS 300 019-1-1 Class 1.2	
Ingress Protection	IP67	
Electrical		
Lightning Protection	5 kA 8/20 µs	
Mechanical		
Dimensions (WxHxD) excl connectors	4:2 182x107x35 mm 7.17x4.21x1.138 in	8:4 182x107x64 mm 7.17x4.21x2.52 in
Volume	0,7 L	1,3 L
Weight (including brackets)	1.7 kg	2.6 kg
Connectors	NEX10	
Mounting	Hose clamps or wall mount, Supporter Pole Diameter: 40-140mm	
Color	NCS 1502-R	
Bracket	Included	
Shipping Information		
Shipping weight (or Gross weight, including packaging)	4:2 2.2 kg	8:4 3.1 kg
Carton Size	TBD	TBD
Carton Qty/Pallet	TBD	TBD
*typical		

### Mechanical Drawing

8:4 MI-72711

