



# MI-622nn

## 5G TDD Filter 3.5 GHz

### Massive MIMO



## 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

### RF Performance

Frequency Band	3400 - 3600 MHz
Insertion Loss	1.0 dB*
Return Loss	>17 dB
Rejection 0 - 2690 MHz	75 dB
2690 - 2900 MHz	70 dB
2900 - 3300 MHz	40 dB
3300 - 3340 MHz	27 dB
3340 - 3360 MHz	20 dB
3640 - 3660 MHz	20 dB
3660 - 3700 MHz	27 dB
3700 - 4000 MHz	40 dB
4000 - 4200 MHz	50 dB
4200 - 5040 MHz	60 dB
5040 - 6800 MHz	65 dB
6800 - 8500 MHz	60 dB
8500 - 9500 MHz	30 dB
9500 - 11000 MHz	12 dB
Continuous Average Power	6 W

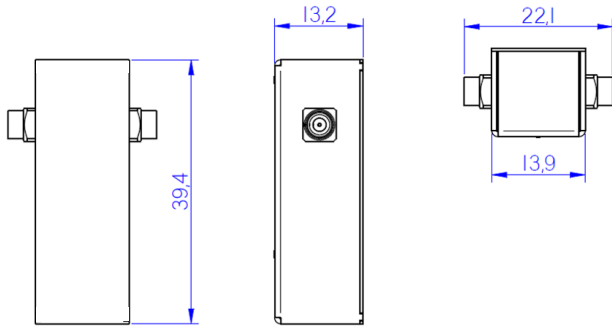
### Environmental

Operating Temperature Range	-25 to +105°C   -13 to +221°F
Operation	ETS 300 019-1-4 Class 4.1 E

### Mechanical

Dimensions (WxHxD)	13.2x13.9x39.4 mm 0.52x0.55x1.55 in
Volume	7.2 ml
Weight gross/net	<14g   <0.49oz
Connectors	HB-EFI
* typical	

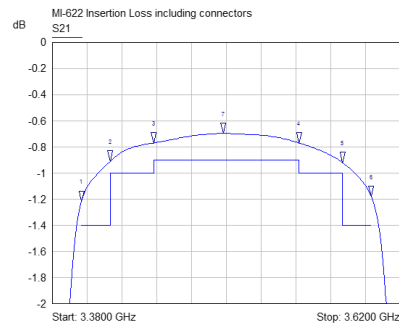
## Mechanical Drawing



## Filter Plots



Mkr	Trace	X-Axis	Value	Notes
1	S21	3.3600 GHz	-21.00 dB	Req < -20 dB
2	S21	3.6400 GHz	-21.21 dB	Req < -20 dB



Mkr	Trace	X-Axis	Value	Notes
1	S21	3.4000 GHz	-1.22 dB	
2	S21	3.4200 GHz	-0.91 dB	
3	S21	3.4500 GHz	-0.77 dB	
4	S21	3.5500 GHz	-0.77 dB	
5	S21	3.5800 GHz	-0.92 dB	
6	S21	3.6000 GHz	-1.18 dB	
7	S21	3.4980 GHz	-0.70 dB	Min IL

