



MI-24003

Interference reject filter

2300 TDD

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

General	
Nominal Bandwidth	20 MHz
Nominal Frequency Band	2302.5 - 2322.5 MHz
Rejection 2326-2344 MHz	>60 dB
RF Path	
Frequency Band	2303.5 - 2321.5 MHz
Insertion Loss	Typ < 0.7 dB, Max 1.6 dB at band edge.
Loss deviation from nominal	<+- 0.1 dB
Group delay deviation from nominal	< 5ns
Return Loss	>18 dB
Power handling	40 W cont. 300 W peak.
Environmental	
Operating Temperature Range	-20 to +65°C
Ingress Protection	IP67
Miscellaneous	
MTBF	1.5 M hours
Lightning protection	3kA 10/350µs
DC/AISG Bypass	Configurable
Mechanical	
Dimensions (WxHxD)	115 x 227 x 44 mm (excluding connectors)
Connectors	7/16 (F) ANT, 7/16 (F) BTS
Volume	1.2 l
Weight	2.0 kg
Colour	N.A.

Block Diagram

