



MI-28601

LTE 800 Interference reject filter

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	2x6.3 MHz
Rejection 820 MHz to 821 MHz	>30 dB
Passive Intermodulation 2x 43 dBm	>160 dBc
Uplink (RX) Path	
Frequency Band	853.2 - 859.5 MHz
Insertion Loss	<0.8 dB
Ripple	<0.5 dB
Return Loss	>18 dB
Downlink (TX) Path	
Frequency Band	812.2 - 818.5 MHz
Insertion Loss	<1.7 dB
Ripple	<0.5 dB
Return Loss	>18 dB
Power handling	80 W cont. 715 W peak.
DC & AISG Transparency	
Insertion loss @ 2.176 MHz	N.A.
Continuous Current Handling	N.A.
Environmental	
Operating Temperature Range	-40 to +55°C
Operation	ETS 300 019-1-4 Class 4.2H
Storage	ETS 300 019-1-1
Ingress Protection	IP67
Miscellaneous	
Safety standards	EN 60950
MTBF	1.5 M hours
Mechanical	
Dimensions (WxHxD)	150 x 190 x 85 mm TBC (excluding connectors)
Connectors	7/16 (F) ANT 7/16 (F) BTS
Volume	2.4 l
Weight	3.5 kg
Colour	NCS 1502-R

Block Diagram

