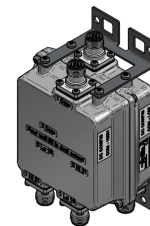




MI-54691

Diplexer 1800/2100 MHz

Filter 1 (Upper filter) DC/AISG on Common – High Band
Filter 2 (Lower filter) DC/AISG on Common - Low band



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

1800

Frequency Band	1710 - 1880 MHz
Insertion Loss, 1710 - 1785 MHz	0.15 dB *, 0.2 dB max.
Insertion Loss, 1805 - 1880 MHz	0.15 dB *, 0.35 dB max.
Return Loss	20 dB *, (18 dB max.)
Rejection 1920 - 2170 MHz	50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-117 dBm

2100

Frequency Band	1920 - 2170 MHz
Insertion Loss, 1920 - 1980 MHz	0.2 dB *, 0.45 dB max.
Insertion Loss, 2110 - 2170MHz	0.15 dB *, 0.2 dB max.
Return Loss	20 dB *, (18 dB max.)
Rejection 1710 - 1880 MHz	50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-117 dBm

Environmental

Operating Temperature Range	-40 to +65°C -40 to +149°F
Operation	ETS 300 019-1-4 Class 4.1E
Storage	ETS 300 019-1-1 Class 1.2
Ingress Protection	IP67

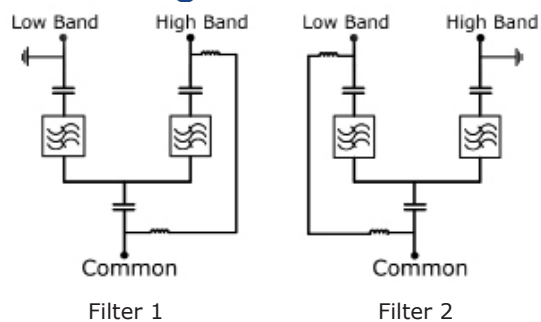
Electrical

DC By Pass	3 A
AISG pass	Yes

Mechanical

Dimensions (WxHxD)	135x138x89 mm 5.31x5.43x3.50 in
Volume	1.7 l
Weight	3.5 kg 7.72 lb
Connectors	4.3-10 f
Mounting	Hose clamps or wall mount. Supporter Pole Diameter: 40-140mm
Colour	NCS 1502-R
Bracket	Included
* Typical	

Block Diagram



Mechanical Drawing

