

High stop band rejection  
Low insertion loss

## Duplexer 160 MHz band

Product number: ZEN – 500 – 200 – 43

| TX filter          | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband           | 172.15 – 173.99       |             |
| Return Loss        | 172.15 – 173.99       | > 18 dB     |
| Insertion Loss Max | 172.15 – 173.99       | < 1.5 dB    |
| Rejection          | 167.55 – 169.39       | > 85 dB     |

| RX filter          | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband           | 167.55 – 169.39       |             |
| Return Loss        | 167.55 – 169.39       | > 18 dB     |
| Insertion Loss Max | 167.55 – 169.39       | < 1.5 dB    |
| Rejection          | 172.15 – 173.99       | > 85 dB     |

| Power | Average | max 50 W (47 dBm)  |
|-------|---------|--------------------|
|       | Peak    | max 500 W (57 dBm) |

| Passive Intermodulation (PIM)<br>Forward and Revers | 2 x 43 dBm | < - 110 dBm<br>( < - 153 dBc ) |
|---|------------|--------------------------------|
|---|------------|--------------------------------|

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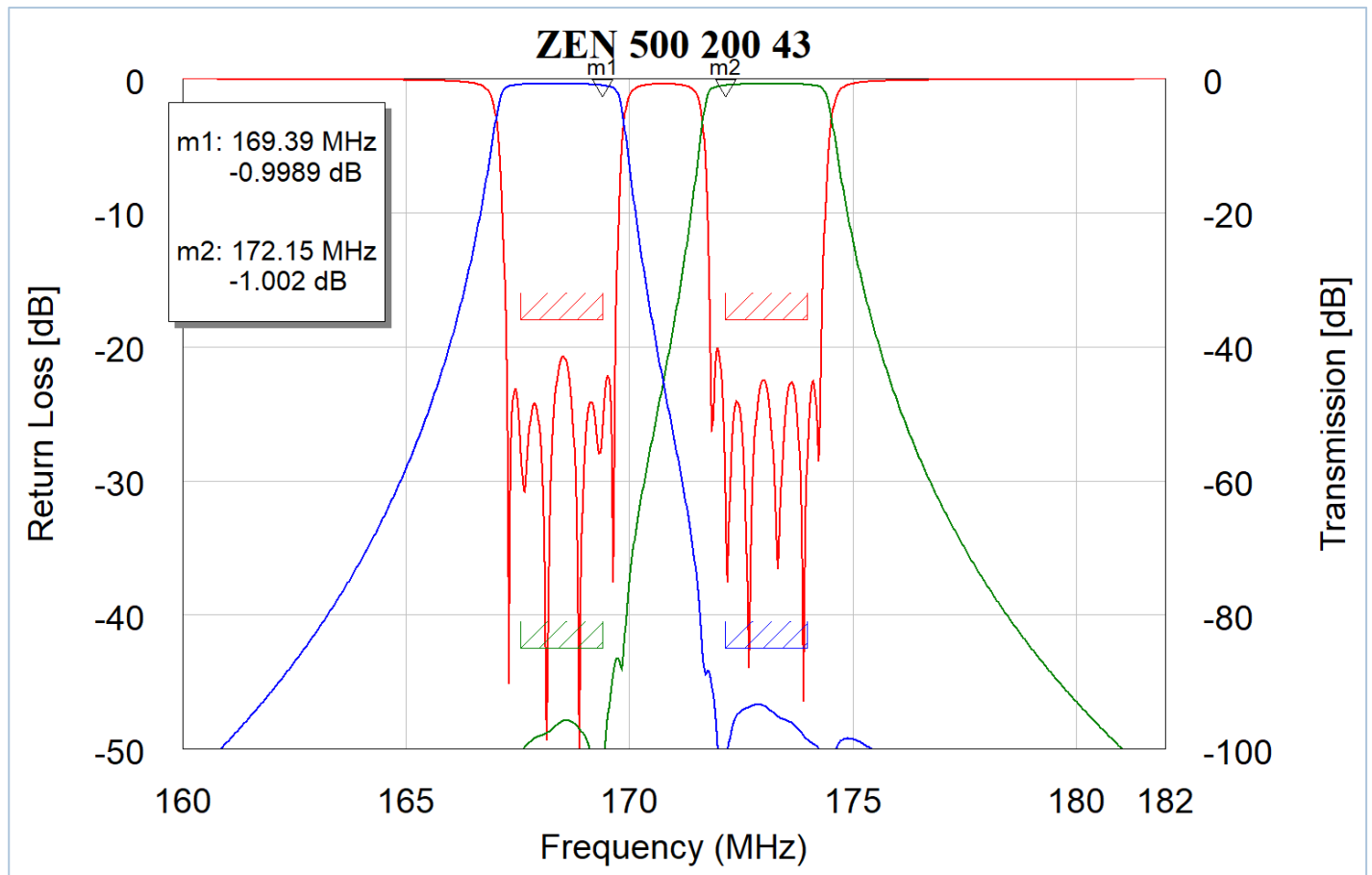
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### Mechanical

|            |  |
|------------|--|
| Dimensions | 504 x 498 x 134 mm (excluding connectors)<br>566 x 498 x 134 mm (including connectors) |
| Connectors | 4.3-10 (f)   |

### Environmental

|                    |                  |
|--------------------|------------------|
| Temperature range  | -40 °C to +85 °C |
| Ingress Protection | IP65             |





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