

Low insertion loss

Low PIM

High power handling

Hexaplex – n28 n5&n8 n3 n1 n40 n7

Product number: ZEN – 500 – 500 – 04

| Band n28 | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband | 703– 803 | |
| Return Loss | 703– 803 | > 18 dB |
| Insertion Loss Max | 703– 803 | < 0.6 dB |
| Rejection | 824 – 2700 | > 50 dB |

| Band n5 & n8 | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband | 824 – 960 | |
| Return Loss | 824 – 960 | > 18 dB |
| Insertion Loss Max | 824 – 960 | < 0.5 dB |
| Rejection | DC – 803 | > 50 dB |
| Rejection | 1710 – 2700 | > 90 dB |

| Band n3 | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband | 1710 – 1880 | |
| Return Loss | 1710 – 1880 | > 18 dB |
| Insertion Loss Max | 1710 – 1880 | < 0.5 dB |
| Rejection | DC – 960 | > 100 dB |
| Rejection | 1920 – 2700 | > 50 dB |



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| Band n1 | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband | 1920 – 2170 | |
| Return Loss | 1920 – 2170 | > 18 dB |
| Insertion Loss Max | 1920 – 2170 | < 0.6 dB |
| Rejection | DC – 1880 | > 55 dB |
| Rejection | 2300 – 2700 | > 55 dB |

| Band n40 | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband | 2300 – 2400 | |
| Return Loss | 2300 – 2400 | > 18 dB |
| Insertion Loss Max | 2300 – 2400 | < 0.5 dB |
| Rejection | DC – 2170 | > 60 dB |
| Rejection | 2500 – 2700 | > 55 dB |

| Band n7 | Frequency Range [MHz] | Requirement |
|--------------------|-----------------------|-------------|
| Passband | 2500 – 2690 | |
| Return Loss | 2500 – 2690 | > 18 dB |
| Insertion Loss Max | 2500 – 2690 | < 0.4 dB |
| Rejection | DC – 2400 | > 55 dB |



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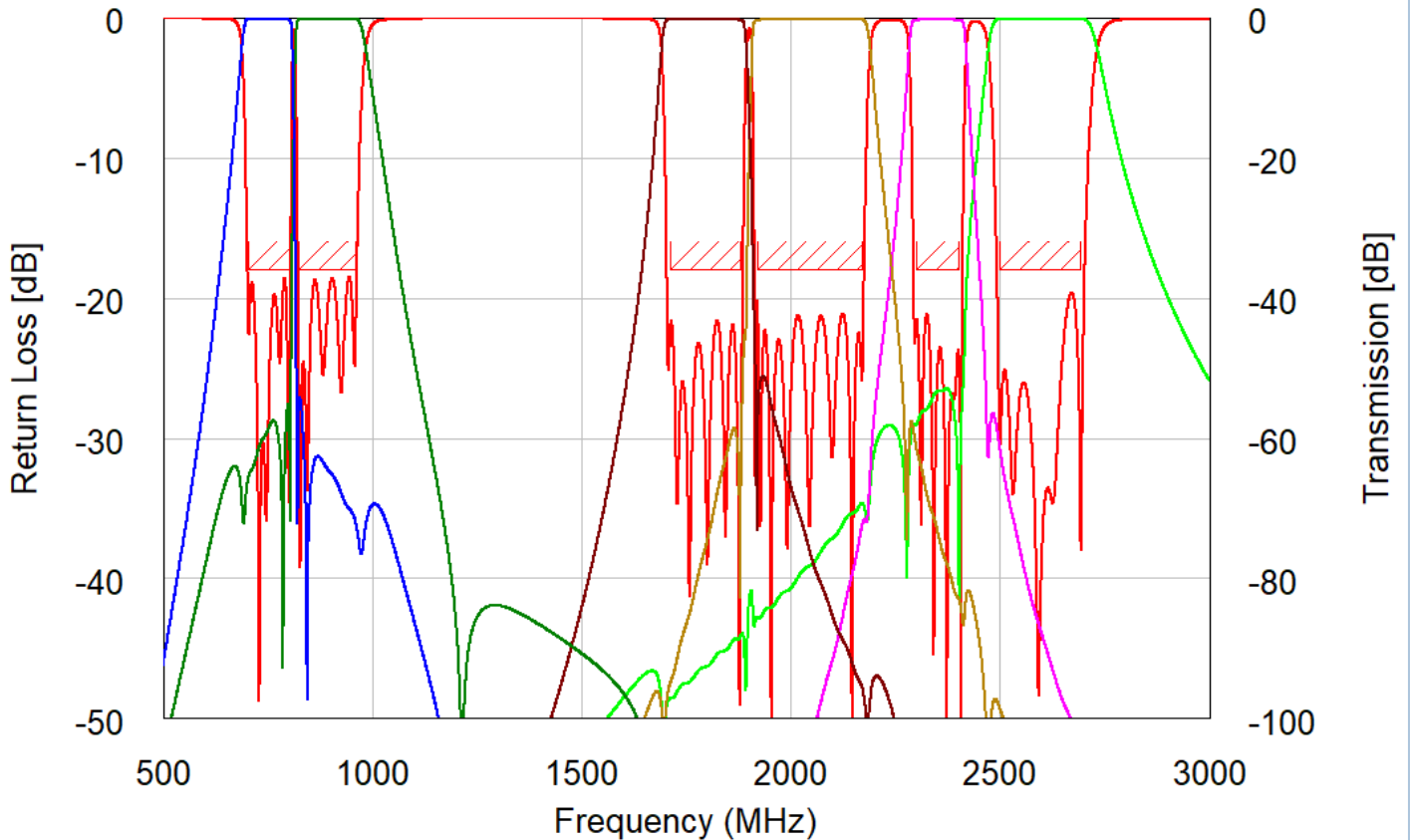
| | | |
|-------------------------|------------|----------------------------|
| Passive Intermodulation | 2 x 43 dBm | < - 112 dBm < - 155 dBc |
|-------------------------|------------|----------------------------|

| Mechanical | | |
|-----------------------------------|-------------------|--|
| Dimensions (including connectors) | 311 x 291 x 55 mm | |
| Connectors | 4.3-10 (f) | |

| Environmental | | |
|--------------------|------------------|--|
| Temperature range | -40 °C to +85 °C | |
| Ingress Protection | IP67 (Outdoor) | |

| Power n28 n5&n8 n3 n1 n40 n7 ports | Average | Max 100 W (50 dBm) |
|---------------------------------------|---------|---------------------|
| | Peak | Max 2000 W (63 dBm) |

ZEN 500 500 04





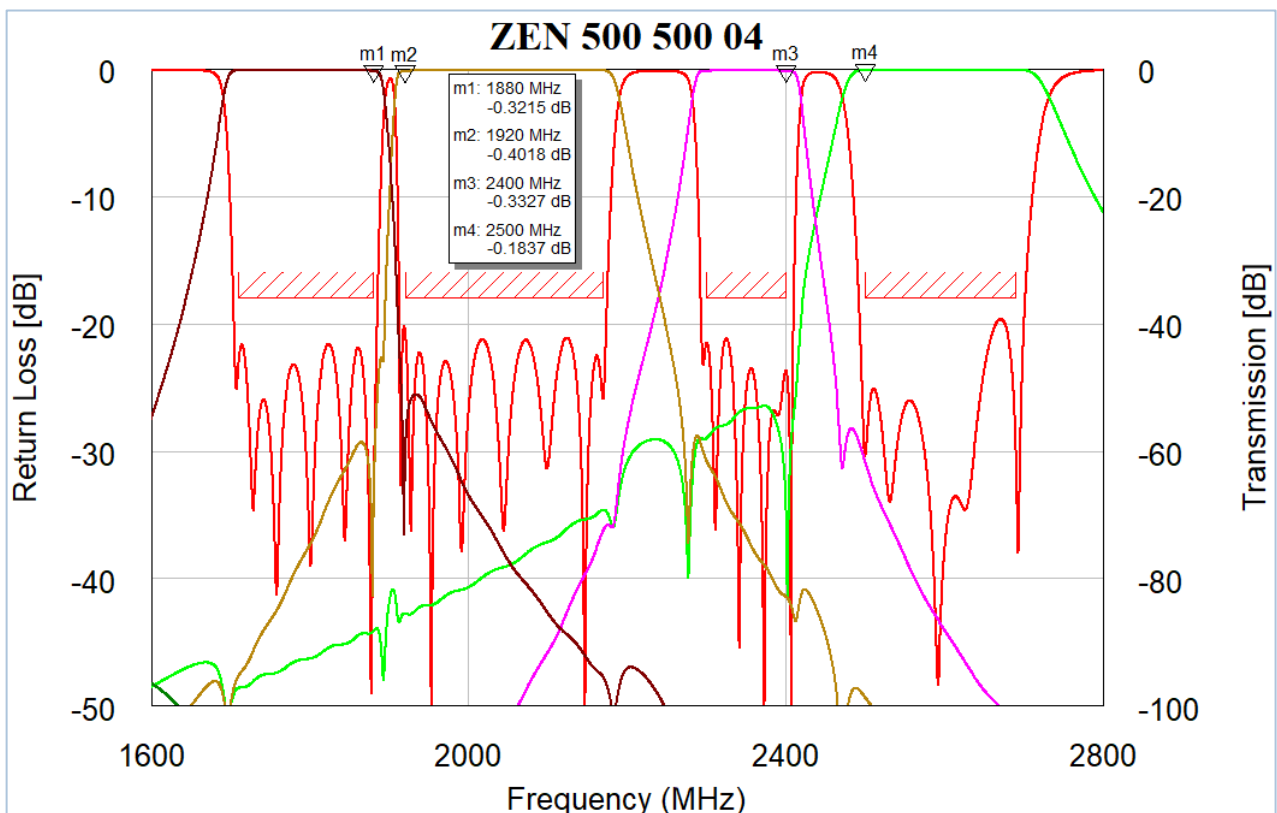
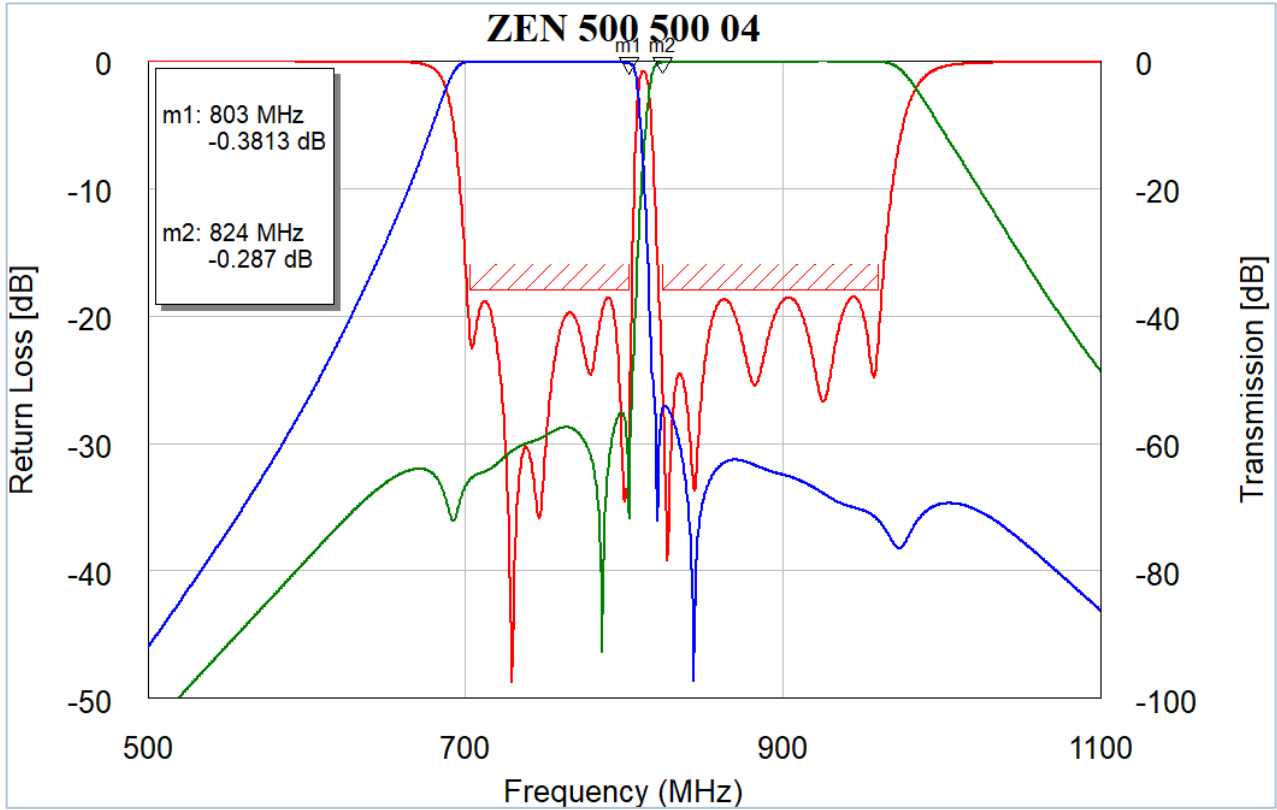
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