



| Document   | Document Number | Revision | Date        |
|------------|-----------------|----------|-------------|
| Spec Sheet | FAXB87A01       | A        | 26-Mar-2020 |

## Duplexer Proposal

**P/N : FAXB87A01**

### Contents

1. Electrical Specifications
2. Simulation Data
3. Mechanical Specification

| Revision | Description     | Date        |
|----------|-----------------|-------------|
| A        | Initial Release | 26-Mar-2020 |
|          |                 |             |
|          |                 |             |

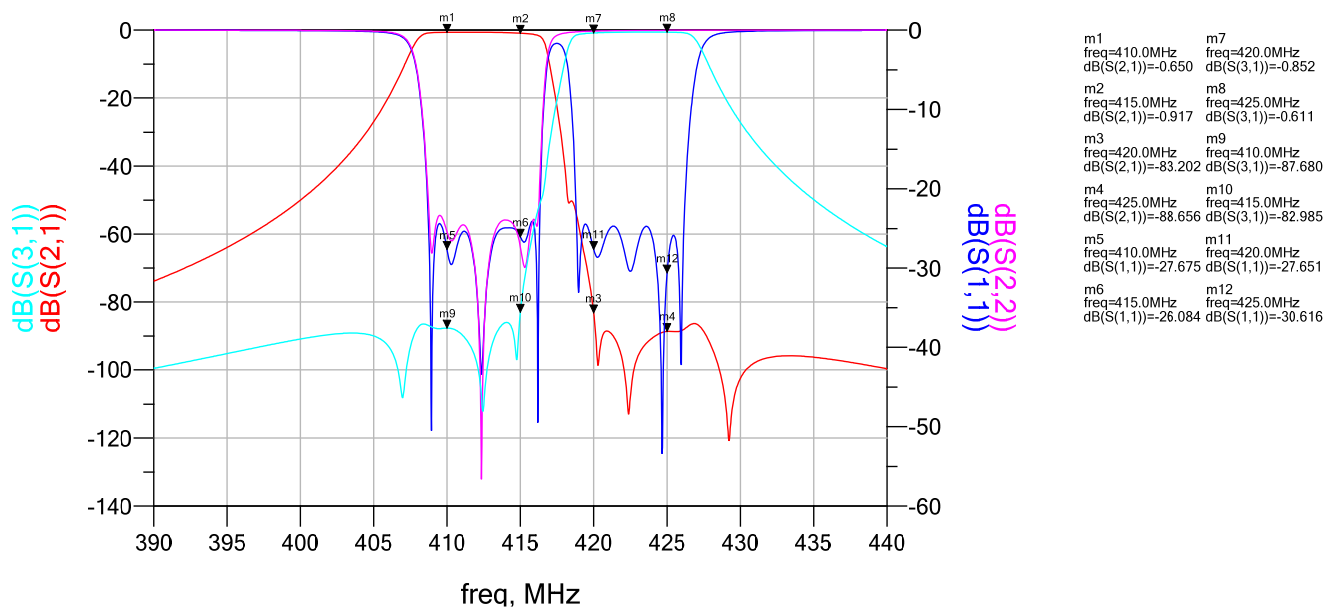


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## 1. Electrical Specifications

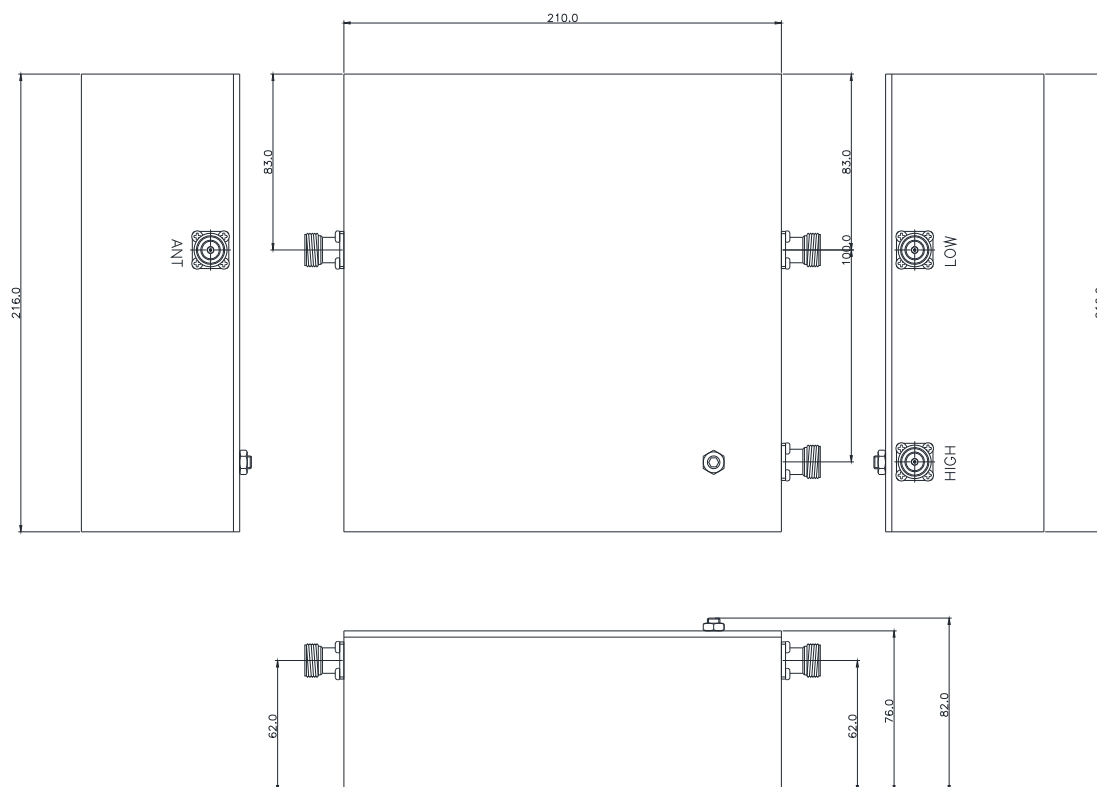
| Item                       | Specification          |                        | Simulation |       | Proposal |     |
|----------------------------|------------------------|------------------------|------------|-------|----------|-----|
| Frequency Range            | LOW                    | HIGH                   | U/L        | D/L   | U/L      | D/L |
|                            | 410 ~ 415MHz           | 420 ~ 425MHz           | -          | -     | -        | -   |
| Insertion Loss (Max)       | 1.0dB max              | 1.0dB max              | 0.91       | 0.85  | OK       | OK  |
| Ripple (Max)               | 0.5dB max              | 0.5dB max              | 0.38       | 0.35  | OK       | OK  |
| Return Loss(Min)           | 20dB Min               |                        | 22.0       | 22.0  | OK       | OK  |
| Attenuation at reject band | 80 min @ 420 ~ 425 MHz | 80 min @ 410 ~ 415 MHz | 83.20      | 82.98 | OK       | OK  |
| Input/Output impedances    | 50Ω                    |                        | -          | -     | OK       | OK  |
| Power handling             | 200W CW                |                        | -          | -     | OK       | OK  |
| Operating temperatures     | -40 ~ +85              |                        | -          | -     | OK       | OK  |

## 2. Simulation Data



|            |                 |          |             |
|------------|-----------------|----------|-------------|
| Document   | Document Number | Revision | Date        |
| Spec Sheet | FAXB87A01       | A        | 26-Mar-2020 |

### 3. Mechanical Specification



| Parameter    | Specification | Proposal                        |
|--------------|---------------|---------------------------------|
| Dimension    | TBD           | 210x 216 x 82.0 Max (Unit : mm) |
| RF Connector | TBD           | ALL ports N type Female         |
| Finish       | TBD           | Black Color Epoxy Coating       |