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| Document   | Document Number | Revision | Date        |
| Spec Sheet | FAB014015A01    | A        | 22-Oct-2020 |

## BPF

**P/N : FAB014015A01**

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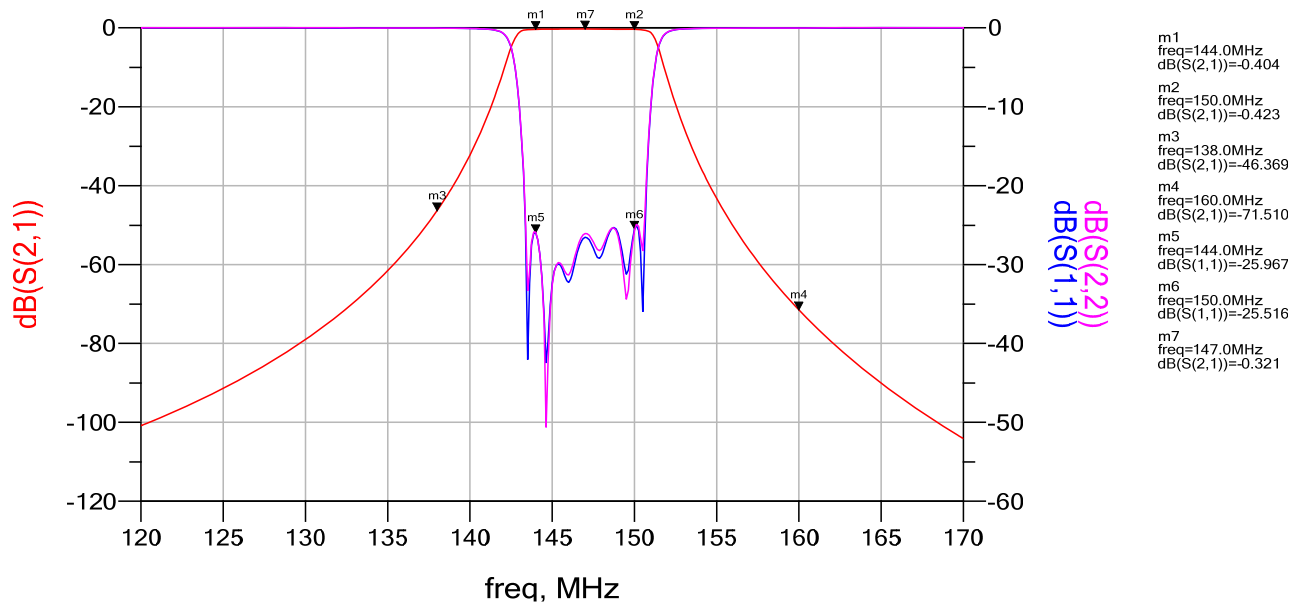
| Revision | Description     | Date        |
|----------|-----------------|-------------|
| A        | Initial Release | 22-Oct-2020 |
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## 1. Electrical Specifications

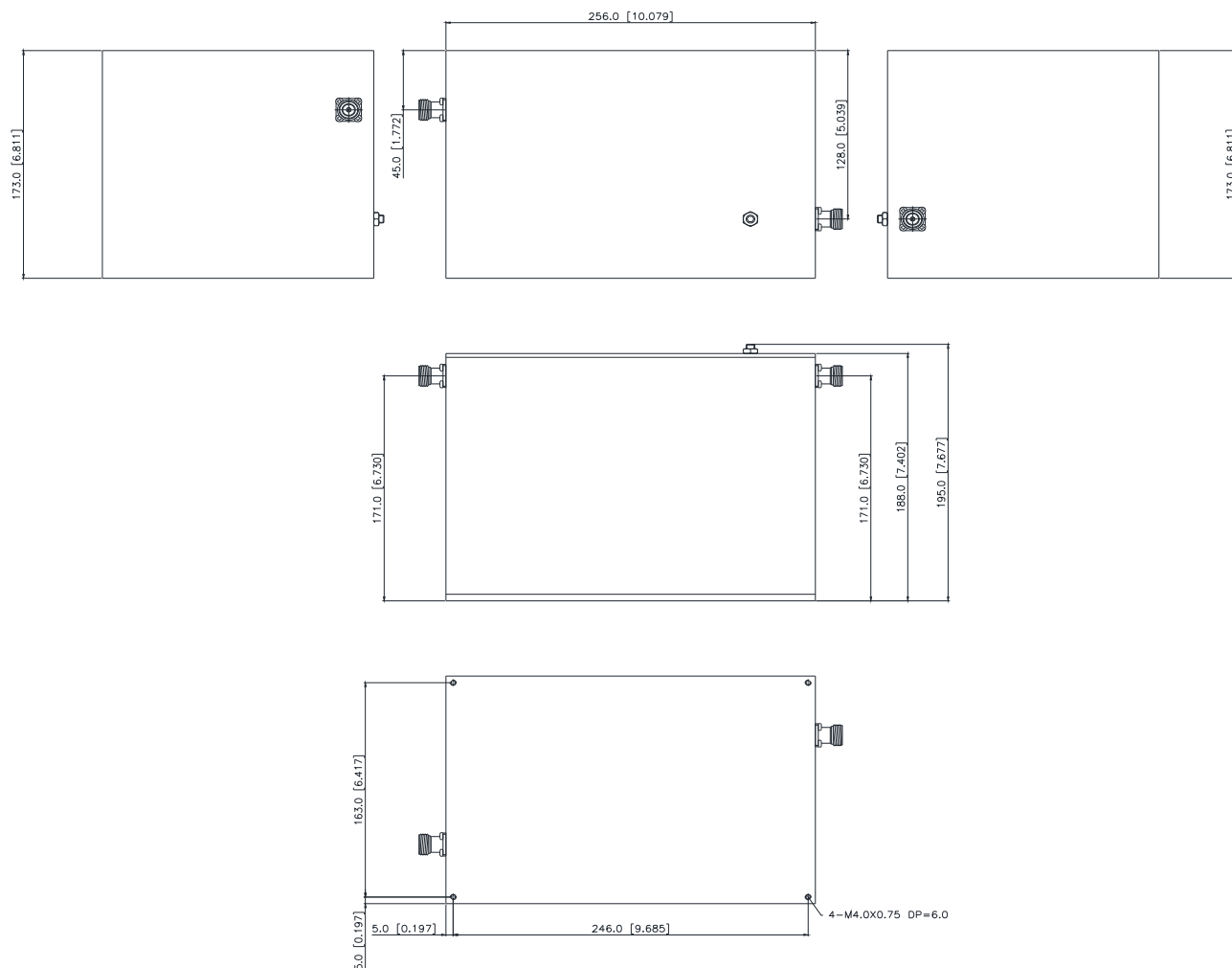
| Parameter              | Specification       | Simulation  | Proposal |
|------------------------|---------------------|-------------|----------|
| Pass Band              | 144~ 150MHz         | 144~ 150MHz | OK       |
| Insertion Loss         | 1.0dB max.          | 0.4         | OK       |
| Pass band ripple       | 0.2dB max.          | 0.1         | OK       |
| Return Loss            | 1.4:1               | 20.0        | OK       |
| Attenuation            | 40.0dB min @ 138MHz | 46.36       | OK       |
|                        | 40.0dB min @ 160MHz | 71.51       | OK       |
| Temperature            | 0°C - +50°C         | -           | OK       |
| Input Output Impedance | 50Ω                 | -           | OK       |
| Power Handling         | 300W CW             | -           | OK       |

## 2. Simulation Data



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### 3. Mechanical Specification



| Parameter          | Specification             | Proposal                 |
|--------------------|---------------------------|--------------------------|
| Dimensions         | 279.4x 203.2 x203.2 Max   | 256.0x 173.0 x 195.0 Max |
| Mounting Points    | See Outline Drawing       | OK                       |
| RF Connector       | IN Type                   | OK                       |
| Connector Position | See Outline Drawing       | OK                       |
| Finish             | Gray Epoxy (Pantone 427C) | OK                       |