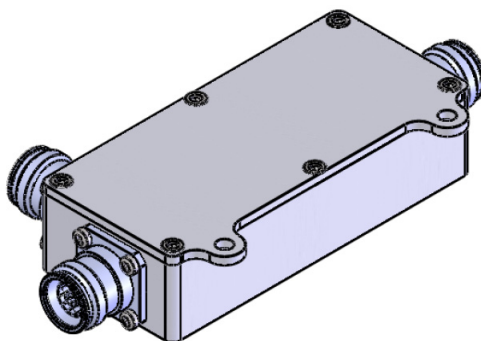


**Data Sheet****Rosenberger**698-2700MHz Directional Coupler  
4.3-10 Interface**DC-30-8F-64F-TN****Main features**

Guaranteed PIM performance  
 High Isolation, Low VSWR and Loss  
 High power performance

**Electrical data**

|                                         |                         |
|-----------------------------------------|-------------------------|
| Frequency                               | 698 - 2700MHz           |
| Return Loss/VSWR                        | -19dB/1.25 maximum      |
| Coupling Attenuation                    | 30±1.5dB                |
| Insertion loss                          | 0.2dB maximum           |
| Directivity                             | 20dB minimum            |
| RMS power handling                      | 300W                    |
| Intermodulation (3 <sup>rd</sup> order) | -161dBc@2 x 20W maximum |
| Impedance                               | 50 Ω                    |

**Environmental data**

|                             |                                |
|-----------------------------|--------------------------------|
| Operating temperature range | -35°C to +85°C                 |
| Storage temperature range   | -40°C to +85°C                 |
| Relative humidity           | IEC 60068-2-78; IEC 60068-2-30 |
| Salt spray                  | ASTM-B117                      |
| Applications                | IP67                           |

Data Sheet

Rosenberger

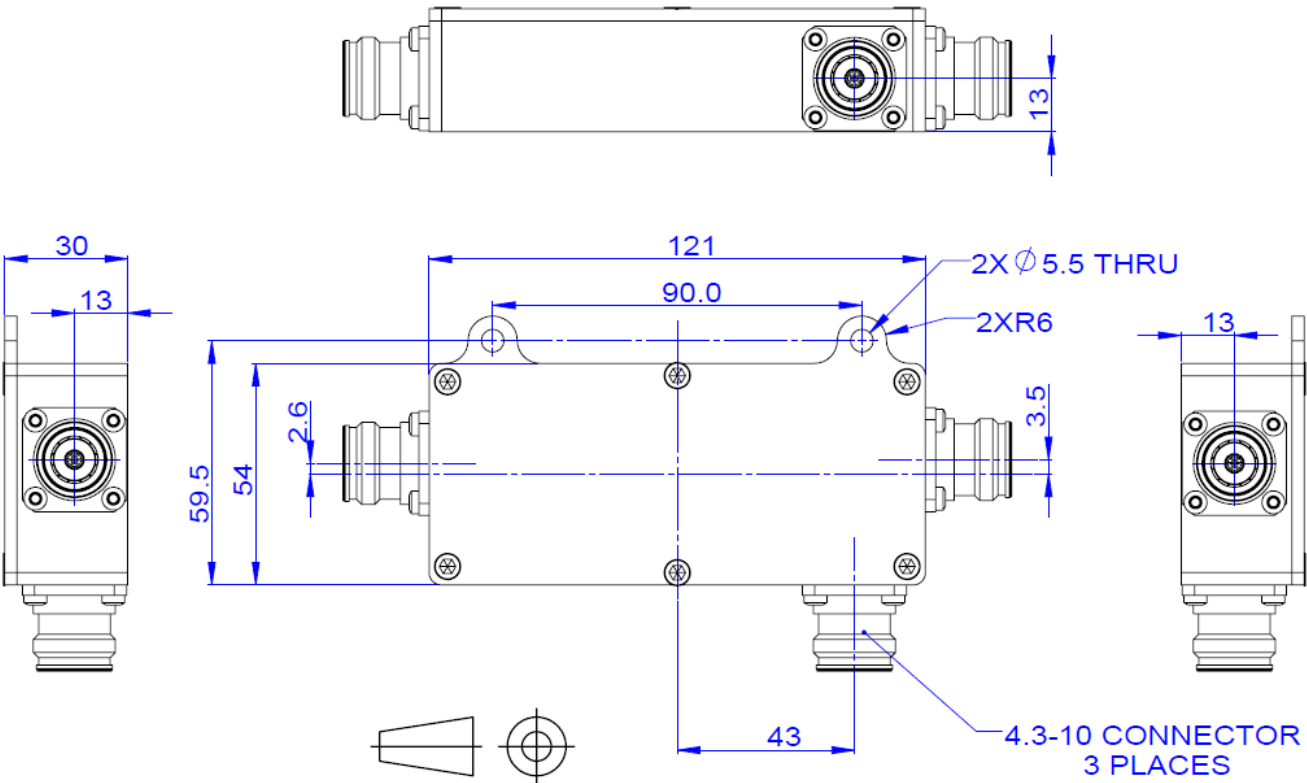
698-2700MHz Directional Coupler  
4.3-10 Interface

DC-30-8F-64F-TN

Mechanical data

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Dimension       | 121 x 54 x30 (mm, excluding connectors and brackets) |
| Weight          | 550g                                                 |
| Connectors type | 4.3-10 female                                        |
| Packing         | 1Pce in box                                          |

Outline Drawing



While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft                                                                                                                                     | Date      | Checker | Approved | Date      | Rev.                                                                                                                                                   | Engineering Change Number | Name | Date          |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------|---------------|
| MC.G                                                                                                                                      | 23/Feb/16 | CY.X    | Joson    | 23/Feb/16 | 0.1                                                                                                                                                    |                           | MC.G | 23/Feb/16     |
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