

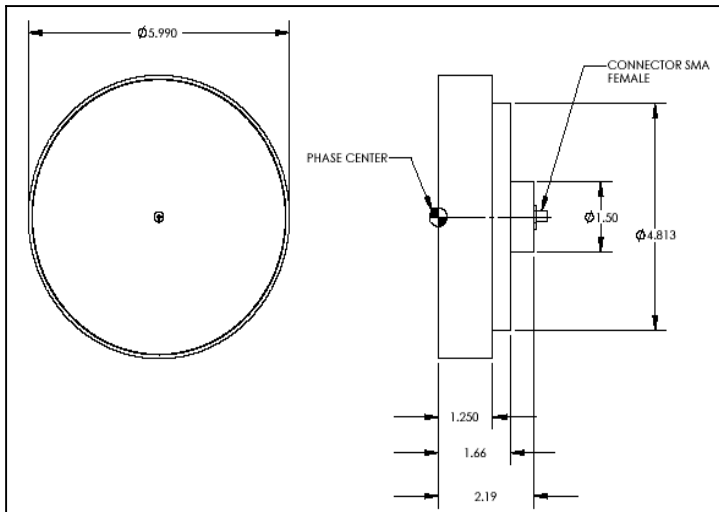
Wide Band Prime Focus Antenna Feeds

This data sheet summarizes a family of wideband prime focus parabolic reflector feeds. This particular feed family was designed for reflectors with f/d ratios of 0.35-0.42. The model numbers listed are indicative of feeds having female coaxial inputs. The scalar style feeds, models covering 2.6-40.0 GHz, can be purchased with their respective standard waveguide input. The scalar feeds operate over a full waveguide bandwidth. These antenna feeds exhibit superior cross polarization discrimination and low VSWR. All feeds share identical mounting and focal point placement offering a truly interchangeable feed family system. This feature makes them excellent candidates for outfitting antenna test ranges, portable multi-band coverage communications systems and can be incorporated into and used for numerous other wideband or narrow band communications applications. Specifications are available upon request.

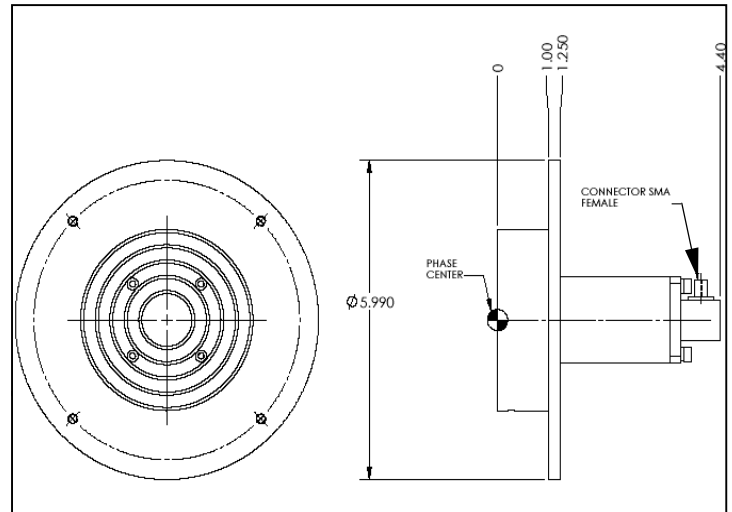
| Model | Frequency | Polarization | RF Input |
|-------------|---------------|---------------|----------------|
| FPP2-19-S | 1.40-2.40 GHz | Single Linear | SMA female |
| FPP2-20-S | 1.50-2.50 GHz | Single Linear | SMA female |
| FPP2DL-20-S | 1.50-2.50 GHz | Dual Linear | (2) SMA female |
| FPP2DC-20-S | 1.50-2.50 GHz | Dual Circular | (2) SMA female |
| FPP1-33-S | 2.60-3.95 GHz | Single Linear | SMA female |
| FPP1-49-S | 3.95-5.85 GHz | Single Linear | SMA female |
| FPP1-70-S | 5.85-8.20 GHz | Single Linear | SMA female |
| FPP1-103-S | 8.20-12.4 GHz | Single Linear | SMA female |
| FPP1-103A-S | 8.0-12.0 GHz | Single Linear | SMA female |
| FPP1-152-S | 12.4-18.0 GHz | Single Linear | SMA female |
| FPP1-152A-S | 12.0-18.0 GHz | Single Linear | SMA female |
| FPP1-222-S | 18.0-26.5 GHz | Single Linear | SMA female |
| FPP1-333-K | 26.5-40.0 GHz | Single Linear | K female |

NOTE: Standard Mounting Details - 6" diameter mounting surface with (4) tapped #10-32 holes on a 5.25" DBC

Dimensions for FPP2-19-S, FPP2-20-S



Dimensions for Scalar Feeds (FPP1-103-S shown)



- NOTES:
- 1) Optional waveguide polarizers are available for scalar feed models for CP requirements..
 - 2) Dual linear and dual circular versions of the Model FPP2-19-S antenna feed are also available.
 - 3) Scalar feed models can be optimized for alternate f/d ratio reflectors.
 - 4) An additional mounting plate can be added to suit customer specific mounting requirements.
 - 5) Alternate coaxial input styles are available upon request.
 - 6) Scalar feeds with waveguide inputs are capable of handling higher transmit power.

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