

Electronic Steering Antennas

Description

| ESA - L | |
|--|--------------------|
| transmission type distributor number of elements 16x4 | |
| frequency | 1 - 2 GHz |
| gain | 18 dBi |
| beam (H) | 36° |
| beam (V) | 7° |
| size | 1600 x 400 mm |
| scanning angle | |
| azimuth | ± 60° |
| elevation | ± 60° |
| polarization | linear or circular |

| ESA - S | |
|--|--------------------|
| transmission type distributor number of elements 16x4 | |
| frequency | 2 - 4 GHz |
| gain | 18 dBi |
| beam (H) | 36° |
| beam (V) | 7° |
| size | 700 x 160 mm |
| scanning angle | |
| azimuth | ± 60° |
| elevation | ± 60° |
| polarization | linear or circular |

| ESA - C | |
|--|--------------------|
| transmission type distributor number of elements 16x4 | |
| frequency | 4 - 8 GHz |
| gain | 18 dBi |
| beam (H) | 36° |
| beam (V) | 7° |
| size | 400 x 100 mm |
| scanning angle | |
| azimuth | ± 60° |
| elevation | ± 60° |
| polarization | linear or circular |

| ESA - X | |
|--|--------------------|
| reflection type distributor p-i-n diodes phase shifters | |
| frequency | 8 - 12 GHz |
| gain | 33 dBi |
| beam (H) | 3.5° |
| beam (V) | 3.5° |
| size | ∅ 500 mm |
| scanning angle | |
| azimuth | ± 30° |
| elevation | ± 30° |
| polarization | linear or circular |

| ESA - Ku | |
|--|-------------|
| reflection type distributor tuning varactor phase shifter | |
| frequency | 12 - 18 GHz |
| gain | 32 dB |
| beam (H) | 3.5° |
| beam (V) | 3.5° |
| size | ∅ 480 mm |
| scanning angle | |
| azimuth | ± 45° |
| elevation | ± 45° |
| polarization | linear |

| ESA - Ka | |
|--|-------------|
| lens type distributor ferroelectric phase shifter | |
| frequency | 27 - 40 GHz |
| gain | 36 dB |
| beam (H) | 2° |
| beam (V) | 2° |
| size | 500 x 500mm |
| scanning angle | |
| elevation | ± 45° |
| polarization | circular |

| ESA - W | |
|---|-------------|
| waveguide type distributor ferroelectric phase shifter | |
| frequency | 76 GHz |
| gain | 28 dB |
| beam (H) | 2.5° |
| beam (V) | 8° |
| size | 110 x 20 mm |
| scanning angle | |
| azimuth | ± 45° |
| polarization | circular |