

## 7.125 - 7.750 GHz\*

|                                                                                                                                       | Type<br>Number   | Diameter<br>ft (m) | Input<br>Flanges                         | Bottom | Gain, dBi<br>Mid-Band | Top  | Beamwidth<br>Degrees | Cross<br>Pol.<br>Disc., dB | F/B<br>Ratio<br>dB | VSWR<br>max.<br>(R.L., dB) |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------------------------------|--------|-----------------------|------|----------------------|----------------------------|--------------------|----------------------------|
| <b>P,PL<br/>PX<br/>PXL</b>  <b>Standard Antennas</b> |                  |                    |                                          |        |                       |      |                      |                            |                    |                            |
| Low VSWR                                                                                                                              | <b>PL4-71D</b>   | 4 (1.2)            | <b>CPR137G,</b><br>UG-343B/U<br>or PDR70 | 36.7   | 37.0                  | 37.3 | 2.2                  | 30                         | 46                 | 1.08 (28.3)                |
| Single                                                                                                                                | <b>PL6-71E</b>   | 6 (1.8)            |                                          | 40.1   | 40.5                  | 40.9 | 1.5                  | 30                         | 48                 | 1.06 (30.7)                |
| Polarized                                                                                                                             | <b>PL8-71E</b>   | 8 (2.4)            |                                          | 42.6   | 43.0                  | 43.3 | 1.1                  | 30                         | 50                 | 1.06 (30.7)†               |
|                                                                                                                                       | <b>PL10-71F</b>  | 10 (3.0)           |                                          | 44.3   | 44.7                  | 45.0 | 0.9                  | 30                         | 52                 | 1.06 (30.7)†               |
|                                                                                                                                       | <b>PL12-71H</b>  | 12 (3.7)           |                                          | 46.3   | 46.7                  | 47.1 | 0.7                  | 30                         | 54                 | 1.06 (30.7)†               |
|                                                                                                                                       | <b>PL15-71E</b>  | 15 (4.6)           |                                          | 47.7   | 48.1                  | 48.4 | 0.6                  | 30                         | 55                 | 1.06 (30.7)†               |
| Low VSWR                                                                                                                              | <b>PL4-71GD</b>  | 4 (1.2)            | <b>CPR112G,</b><br>UG-52B/U<br>or PDR84  | 36.2   | 36.5                  | 36.8 | 2.2                  | 30                         | 45                 | 1.06 (30.7)                |
| Single                                                                                                                                | <b>PL6-71GD</b>  | 6 (1.8)            |                                          | 39.7   | 40.0                  | 40.3 | 1.5                  | 30                         | 48                 | 1.06 (30.7)                |
| Polarized                                                                                                                             | <b>PL8-71GE</b>  | 8 (2.4)            |                                          | 42.3   | 42.5                  | 42.9 | 1.1                  | 30                         | 50                 | 1.06 (30.7)†               |
|                                                                                                                                       | <b>PL10-71GE</b> | 10 (3.0)           |                                          | 44.1   | 44.5                  | 44.8 | 0.9                  | 30                         | 52                 | 1.06 (30.7)†               |
|                                                                                                                                       | <b>PL12-71GF</b> | 12 (3.7)           |                                          | 45.6   | 46.0                  | 46.3 | 0.7                  | 30                         | 54                 | 1.06 (30.7)†               |
|                                                                                                                                       | <b>PL15-71GD</b> | 15 (4.6)           |                                          | 47.5   | 47.8                  | 48.2 | 0.6                  | 30                         | 57                 | 1.06 (30.7)†               |
| Low VSWR                                                                                                                              | <b>PXL6-71E</b>  | 6 (1.8)            | <b>CPR137G,</b><br>UG-343B/U<br>or PDR70 | 40.0   | 40.4                  | 40.7 | 1.5                  | 30                         | 48                 | 1.07 (29.4)                |
| Dual                                                                                                                                  | <b>PXL8-71E</b>  | 8 (2.4)            |                                          | 42.4   | 42.9                  | 43.2 | 1.1                  | 30                         | 50                 | 1.06 (30.7)                |
| Polarized                                                                                                                             | <b>PXL10-71F</b> | 10 (3.0)           |                                          | 44.5   | 44.8                  | 45.0 | 0.9                  | 30                         | 52                 | 1.06 (30.7)                |
|                                                                                                                                       | <b>PXL12-71E</b> | 12 (3.7)           |                                          | 45.7   | 46.1                  | 46.4 | 0.7                  | 30                         | 54                 | 1.06 (30.7)                |

## **VHP** **ValuLine® Antennas – High Performance**

|           |                 |         |   |      |      |      |     |    |    |               |
|-----------|-----------------|---------|---|------|------|------|-----|----|----|---------------|
| Single    | <b>VHP2-71</b>  | 2 (0.6) | † | 29.8 | 30.1 | 30.4 | 4.9 | 30 | 53 | 1.15 (23.1)** |
| Polarized | <b>VHP4-71</b>  | 4 (1.2) |   | 36.0 | 36.4 | 36.7 | 2.4 | 32 | 60 | 1.15 (23.1)** |
| Dual      | <b>VHPX2-71</b> | 2 (0.6) | † | 29.5 | 29.8 | 30.1 | 4.9 | 30 | 53 | 1.15 (23.1)** |
| Polarized | <b>VHPX4-71</b> | 4 (1.2) |   | 35.5 | 35.8 | 36.1 | 2.4 | 32 | 60 | 1.15 (23.1)** |

## **VP** **ValuLine® Antennas – Standard Performance**

|           |               |         |   |      |      |      |     |    |    |               |
|-----------|---------------|---------|---|------|------|------|-----|----|----|---------------|
| Single    | <b>VP2-71</b> | 2 (0.6) | † | 30.6 | 31.0 | 31.4 | 4.9 | 30 | 40 | 1.15 (23.1)** |
| Polarized | <b>VP4-71</b> | 4 (1.2) |   | 36.8 | 37.2 | 37.5 | 2.4 | 32 | 45 | 1.15 (23.1)** |

\* 7.110-7.725 available on request.

\*\* 1.10 (26.4) available on request.

† 1.04 (34.2) available on request.

† IEC and EIA flanges are available for all ValuLine antennas. Contact Andrew for more information.