

876F-70-HDWTM40-1/2



The 876F-70-HDWTM40-1/2 Dual Exposed Dipole is well suited for multicoupled systems due to its wide bandwidth. It has an extremely rugged design for use in severe environmental conditions. The 876F-70-HDWTM40-1/2 has internal cabling and a fixed dipole-to-mast spacing. The 876F-70-HDWTM40-1/2 is a special version of the 876F-70 with increased spacing between the two antennas, giving an isolation of 40 dB. This antenna can be black anodized, please contact technical support for more information.

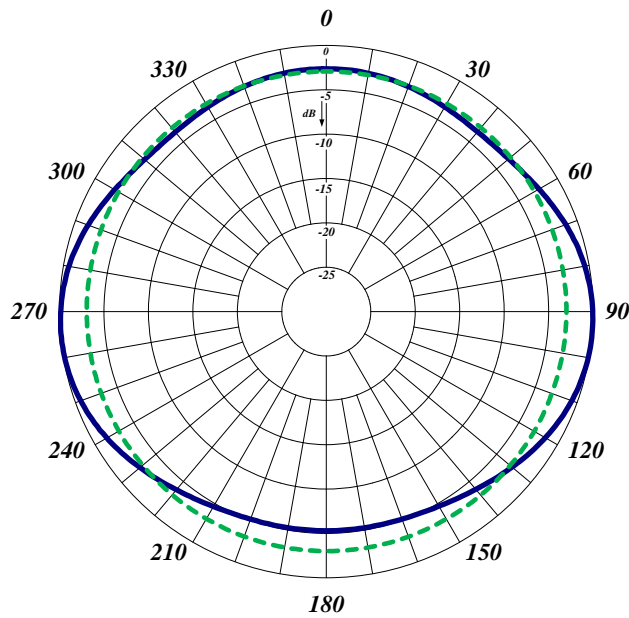
- The 1/4 wave and 3/8 wave versions of the antenna are also available.
- The Side Mount version is available.

| Electrical Specifications | 876F-70-HDWTM40-1/2 |
|---|---------------------|
| Frequency Range, MHz | 138-174 |
| Nominal Gain, dBd | 5.0 -5.5 |
| Number of dipoles | 2 sets of 2 |
| Isolation , dB | 40 |
| Bandwidth 1.5:1 VSWR, MHz | 1.5:1 (36) |
| Polarization | Vertical |
| Pattern | Bidirectional |
| Power Rating, Watts | 300 |
| Nominal Impedance, Ohms | 50 |
| Lightning Protection | DC Ground |
| Temperature Range | -40 to +60 C° |
| Termination | N male |
| Mechanical Specifications | 876F-70-HDWTM40-1/2 |
| Length, in (mm) | 300 (7620) |
| Width (1/2 Wave Spacing), in (mm) | 41 (1041) |
| Weight, lbs. (kg) | 138 (63) |
| Rated Wind Velocity, No Ice, mph (km/h) | 145 (233) |
| Rated Wind Velocity, 1/2" ice, mph (km/h) | 100 (160) |
| Lateral Thrust @ 100 mph, wind, lbs. (N) | 386 (175) |
| Bending Moment @ top clamp: 100 mph, ft.*lb | 4059 (562) |
| Projected Area, ft ² (m ²) | 11.8 (1.1) |
| Mounting Information Mast O.D. (mm) | 4 (102) |

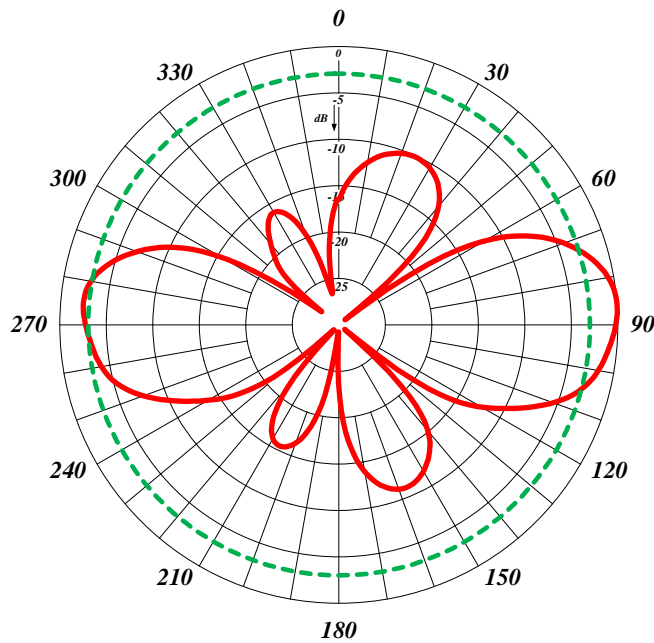


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876F-70-HDWTM40-1/2: Horizontal Radiation pattern



876F-70-HDWTM40-1/2: Vertical Radiation pattern