

## Two-Way Antenna Products Reflectors with MDS / MMDS Dipole

### 15, 19, 23 dBi Options

Pacific Monolithics' reflector / dipole series of antennas is designed for use with the Two-Way Transverter product line. Three reflector sizes coupled with the dipole feed ensures that an installer can achieve an optimal balance of aesthetics, size, ease of installation, signal strength, and cost.

The innovative Quick Mount System associated with the mounting bracket removes the need for traditional U bolts and does not require three hands to install. The 15 and 19 dBi reflector mounts come with tilt capability for installations close to the transmit site. The rugged design is wire-welded construction with a powder paint finish to ensure an aesthetically pleasing, long lasting reflector.

### Typical Operating Specifications

| Parameter   | Minimum  | Maximum  |
|-------------|----------|----------|
| Frequency   | 2500 MHz | 2686 MHz |
|             | 2150 MHz | 2162 MHz |
| Linearity   | linear   |          |
| Temperature | -40 °C   | +70 °C   |
| Humidity    | 0 %      | 100 %    |

### Typical Electrical Performance

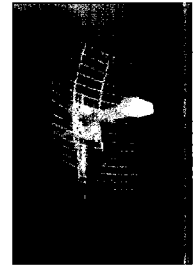
| Parameter          | PM6615 | PM6619   | PM6623 |
|--------------------|--------|----------|--------|
| Gain (dBi)         | 15 dBi | 19.5 dBi | 23 dBi |
| Impedance          | 50 Ω   | 50 Ω     | 50 Ω   |
| SWR (Return Loss)  | >13 dB | >18 dB   | >22 dB |
| Cross Polarization | >25 dB | >25 dB   | >25 dB |

### Mechanical Specifications

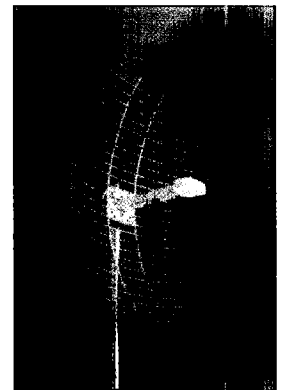
| Parameter         | PM6615                                   | PM6619 | PM6623 |
|-------------------|--|--------|--------|
| Construction      | Ultrasonically Welded<br>Stainless Steel |        |        |
| Mounting Hardware | Quickmount 1 - 1.5" pipe                 |        |        |
| Connectors        | N, female                                |        |        |
| Length (inches)   | 11                                       | 14     | 20     |
| Height (inches)   | 14                                       | 24     | 34     |
| Weight (pounds)   | 12                                       | 17     | 29     |
| Weight (pounds)   | 2.6                                      | 3.9    | 8.2    |
| Wind (mph to MPH) | >100                                     | >100   | >100   |

\*2" mounts available for the PM6623

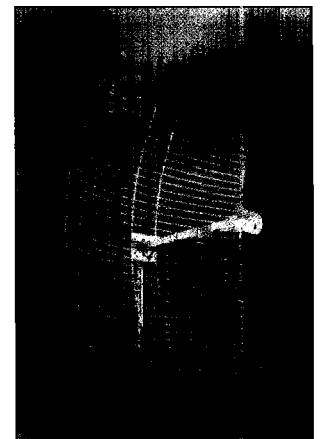
Mounting brackets are disassembled from reflectors so the reflectors stack compactly which saves volume in both shipping and warehouse storage. The 6615 dBi reflectors are available in 20 packs, PM6619 in 15 packs and PM6623 in 10 packs. Reflectors are also available in crates of 300, 150 and 75 respectively.



PM6615



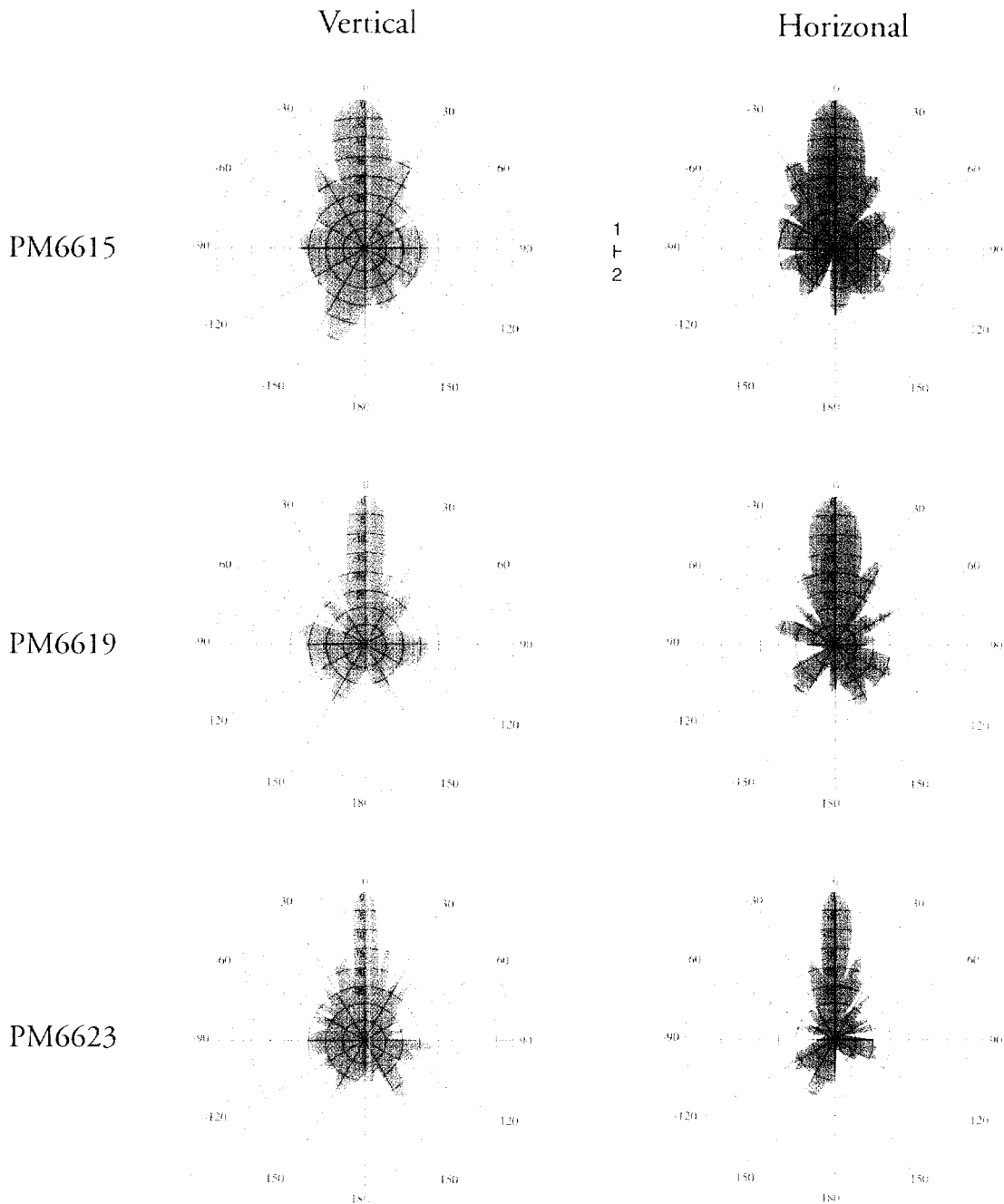
PM6619



PM6623

\*PACFS00050\*

# Reflector with PMPF-2 Dipole Antenna Patterns at 2593 MHz



Pacific Monolithics products are covered under one or more of the following US Patents: 5,280,412; 5,301,081; 5,317,291; 5,357,229; D347,437; D363,288; D361,067; D361,068; other patents pending. Specifications subject to change without notice.

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