



▲ GPA30 COMPLETA DI RADOME



▲ GPA30 E ATTACCO AL PALO  
TIPO STANDARD

## CARATTERISTICHE TECNICHE / TECHNICAL SPECIFICATIONS

|                                                                                                                  | GPA30                                                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Diametro<br><i>Diameter:</i>                                                                                     | 300 cm                                                 |
| F/D:                                                                                                             | 0,35                                                   |
| DEP:                                                                                                             | 53,6 cm                                                |
| Distanza focale:<br><i>Focal length:</i>                                                                         | 105 cm                                                 |
| Accuratezza della superficie:<br><i>Accuracy of construction:</i>                                                | ±0,5 mm r.m.s.                                         |
| Aggiustamento della polarizzazione:<br><i>Adjustment of polarization:</i>                                        | 120°                                                   |
| Materiale:<br><i>Material:</i>                                                                                   | Alluminio<br><i>Aluminium</i>                          |
| Trattamento / verniciatura antenna:<br><i>Antenna treatment / painting:</i>                                      | Verniciatura su richiesta<br><i>Painting on demand</i> |
| Spessore:<br><i>Thickness:</i>                                                                                   | 3 mm                                                   |
| Diametro palo di fissaggio:<br><i>Diameter of the fixing pole:</i>                                               | 114 mm                                                 |
| Regolazione orientamento fine sul piano orizzontale:<br><i>Setting of fine bearings on the horizontal plane:</i> | ±5°                                                    |
| Regolazione orientamento fine sul piano verticale:<br><i>Setting of fine bearings on the vertical plane:</i>     | ±7°                                                    |
| Staffe di fissaggio:<br><i>Fixing brackets:</i>                                                                  | Ferro zincato<br><i>Galvanized iron</i>                |
| Struttura portante:<br><i>Supporting structure:</i>                                                              | Acciaio inox<br><i>Stainless steel</i>                 |
| Resistenza al vento:<br><i>Resistance to the wind up to:</i>                                                     | 150 km/h                                               |
| Peso parabola (con attacchi):<br><i>Weight of parabolic antenna (with supports):</i>                             | 150 kg                                                 |
| Peso radome opzionale:<br><i>Weight of optional radome:</i>                                                      | Alluminio<br><i>Aluminium</i>                          |
| Colore radome opzionale:<br><i>Optional radome colour:</i>                                                       | Bianco<br><i>White</i>                                 |
| Temperatura di funzionamento:<br><i>Operational temperature:</i>                                                 | -40° ÷ 60°                                             |

**Ø 3,0 m.**

**CODE.: GPA30**

**RIFLETTORI PARABOLICI**  
**PARABOLIC REFLECTORS**



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Caratteristiche elettriche parabola GPA30  
Electrical characteristics of GPA30 parabolic antenna

| Illuminatore<br>Radiator                                                                           | Frequenza<br>Frequency<br>[GHz] | Polarizzazione<br>Polarization | Apertura a 3dB<br>3dB<br>Beamwidth<br>Gradi/Degrees | Connettore<br>Connector | VSWR | Attenuazione<br>di riflessione<br>Return Loss | Guadagno / Gain |             |      | Crosspol. | Isolamento*<br>Decoupling* |
|----------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|-----------------------------------------------------|-------------------------|------|-----------------------------------------------|-----------------|-------------|------|-----------|----------------------------|
|                                                                                                    |                                 |                                |                                                     |                         |      |                                               | Bottom          | Mid<br>band | Top  |           |                            |
| Caratteristiche elettriche parabola GPA30<br>Electrical characteristics Of GPA30 parabolic antenna |                                 |                                |                                                     |                         |      |                                               |                 |             |      |           |                            |
| GYA014                                                                                             | 1.4 - 1.65                      | S                              | 4.6                                                 | N f                     | 1.3  | 17.6                                          | 30.3            | 31.0        | 31.7 | 23        | --                         |
| GYA019                                                                                             | 1.9 - 2.2                       | S                              | 3.4                                                 | N f                     | 1.3  | 17.6                                          | 32.9            | 33.6        | 34.2 | 24        | --                         |
| GYA022                                                                                             | 2.2 - 2.5                       | S                              | 3.0                                                 | N f                     | 1.3  | 17.6                                          | 34.2            | 34.8        | 35.3 | 24        | --                         |
| GYA025                                                                                             | 2.5 - 2.8                       | S                              | 2.6                                                 | N f                     | 1.3  | 17.6                                          | 35.3            | 35.8        | 36.3 | 25        | --                         |
| GLB015                                                                                             | 1.5 - 2.5                       | S                              | 3.5                                                 | N f                     | 1.22 | 20                                            | 30.9            | 33.4        | 35.3 | 25        | --                         |
| GDP015                                                                                             | 1.5 - 2.0                       | D                              | 4.0                                                 | N f                     | 1.3  | 17.6                                          | 30.9            | 32.2        | 33.4 | --        | >26                        |
| GDP020                                                                                             | 2.0 - 2.5                       | D                              | 3.1                                                 | N f                     | 1.3  | 17.6                                          | 33.4            | 34.4        | 35.3 | --        | >26                        |
| GCV030                                                                                             | 3.0 - 3.7                       | S                              | 2.1                                                 | N f                     | 1.3  | 17.6                                          | 36.9            | 37.8        | 38.7 | 25        | --                         |
| GCV045                                                                                             | 4.5 - 5.0                       | S                              | 1.5                                                 | N f                     | 1.3  | 17.6                                          | 40.4            | 40.9        | 41.3 | 25        | --                         |
| GCV050                                                                                             | 5.0 - 5.8                       | S                              | 1.3                                                 | N f                     | 1.3  | 17.6                                          | 41.3            | 42.0        | 42.6 | 25        | --                         |
| GCV058                                                                                             | 5.8 - 6.4                       | S                              | 1.1                                                 | N f                     | 1.3  | 17.6                                          | 42.6            | 43.0        | 43.5 | 25        | --                         |
| GCV064                                                                                             | 6.4 - 7.0                       | S                              | 1.0                                                 | N f                     | 1.19 | 21                                            | 43.5            | 43.9        | 44.2 | 25        | --                         |
| GCV070                                                                                             | 7.0 - 7.8                       | S                              | 0.9                                                 | N f                     | 1.19 | 21                                            | 44.2            | 44.7        | 45.2 | 25        | --                         |
| GCC060                                                                                             | 6.8 - 8.0                       | S                              | 0.9                                                 | N f                     | 1.19 | 21                                            | 44.0            | 44.7        | 45.4 | 25        | --                         |
| GCC080                                                                                             | 8.0 - 8.5                       | S                              | 0.8                                                 | UBR 90                  | 1.19 | 21                                            | 45.4            | 45.7        | 45.9 | 26        | --                         |
| GCC100S                                                                                            | 10 - 15                         | S                              | 0.6                                                 | UBR 75                  | 1.3  | 17.6                                          | 47.3            | 49.3        | 50.9 | 26        | --                         |
| GCC100D                                                                                            | 10 - 15                         | D                              | 0.6                                                 | UBR 75                  | 1.3  | 17.6                                          | 47.3            | 49.3        | 50.9 | --        | 26                         |
| GCC150                                                                                             | 15 - 18                         | S                              | 0.4                                                 | UBR 62                  | 1.14 | 23.6                                          | 50.9            | 51.7        | 52.4 | 26        | --                         |
| GCN040S / GCF040S                                                                                  | 4.0 - 4.5                       | S                              | 1.6                                                 | N f / UBR               | 1.26 | 19                                            | 39.4            | 39.9        | 40.4 | 25        | --                         |
| GCN040D / GCF040D                                                                                  | 4.0 - 4.5                       | D                              | 1.6                                                 | N f / UBR               | 1.26 | 19                                            | 39.4            | 39.9        | 40.4 | --        | 25                         |
| GCN045S / GCF045S                                                                                  | 4.5 - 5                         | S                              | 1.5                                                 | N f / UBR               | 1.26 | 19                                            | 40.4            | 40.9        | 41.3 | 25        | --                         |
| GCN045S/GCF045D                                                                                    | 4.5 - 5                         | D                              | 1.5                                                 | N f / UBR               | 1.26 | 19                                            | 40.4            | 40.9        | 41.3 | --        | 25                         |
| GCN050S / GCF050S                                                                                  | 5 - 6                           | S                              | 1.3                                                 | N f / UBR               | 1.2  | 20                                            | 41.3            | 42.1        | 42.9 | 25        | --                         |
| GCN050D / GCF050D                                                                                  | 5 - 6                           | D                              | 1.3                                                 | N f / UBR               | 1.2  | 20                                            | 41.3            | 42.1        | 42.9 | --        | 25                         |
| GCN058S / GCF058S                                                                                  | 5.8 - 6.4                       | S                              | 1.1                                                 | N f / UBR               | 1.2  | 20                                            | 42.6            | 43.0        | 43.5 | 26        | --                         |
| GCN058D / GCF058D                                                                                  | 5.8 - 6.4                       | D                              | 1.1                                                 | N f / UBR               | 1.2  | 20                                            | 42.6            | 43.0        | 43.5 | --        | 26                         |
| GCN064S / GCF064S                                                                                  | 6.4 - 7.0                       | S                              | 1.0                                                 | N f / UBR               | 1.2  | 20                                            | 43.5            | 43.9        | 44.2 | 28        | --                         |
| GCN064D / GCF064D                                                                                  | 6.4 - 7.0                       | D                              | 1.0                                                 | N f / UBR               | 1.2  | 20                                            | 43.5            | 43.9        | 44.2 | --        | 28                         |
| GCN069S / GCF069S                                                                                  | 6.9 - 7.6                       | S                              | 1.0                                                 | N f / UBR               | 1.2  | 20                                            | 44.1            | 44.5        | 45.0 | 28        | --                         |
| GCN069D / GCF069D                                                                                  | 6.9 - 7.6                       | D                              | 1.0                                                 | N f / UBR               | 1.2  | 20                                            | 44.1            | 44.5        | 45.0 | --        | 28                         |
| GCN076S / GCF076S                                                                                  | 7.6 - 8.4                       | S                              | 0.9                                                 | N f / UBR               | 1.2  | 20                                            | 45.0            | 45.4        | 45.8 | 28        | --                         |
| GCN076D / GCF076D                                                                                  | 7.6 - 8.4                       | D                              | 0.9                                                 | N f / UBR               | 1.2  | 20                                            | 45.0            | 45.4        | 45.8 | --        | 28                         |
| GCN080S / GCF080S                                                                                  | 8 - 9                           | S                              | 0.8                                                 | N f / UBR               | 1.2  | 20                                            | 45.4            | 45.9        | 46.4 | 29        | --                         |
| GCN080D / GCF080D                                                                                  | 8 - 9                           | D                              | 0.8                                                 | N f / UBR               | 1.2  | 20                                            | 45.4            | 45.9        | 46.4 | --        | 29                         |
| GCN100S / GCF100S                                                                                  | 10 - 13                         | S                              | 0.6                                                 | N f / UBR               | 1.16 | 22                                            | 47.3            | 48.6        | 49.6 | 30        | --                         |
| GCN100D / GCF100D                                                                                  | 10 - 13                         | D                              | 0.6                                                 | N f / UBR               | 1.16 | 22                                            | 47.3            | 48.6        | 49.6 | --        | 30                         |
| GCN140S / GCF140S                                                                                  | 14 - 15                         | S                              | 0.5                                                 | N f / UBR               | 1.16 | 22                                            | 50.3            | 50.6        | 50.9 | 35        | --                         |
| GCN140D / GCF140D                                                                                  | 14 - 15                         | D                              | 0.5                                                 | N f / UBR               | 1.16 | 22                                            | 50.3            | 50.6        | 50.9 | --        | 35                         |
| * Isolamento tra la porta E e la porta V / Decoupling between H and V polarization                 |                                 |                                |                                                     |                         |      |                                               |                 |             |      |           |                            |