

Tallysman Part Number Ordering Guide

TABLE OF CONTENTS

| | |
|--|----|
| For the Embedded Antenna Family of Products | 2 |
| For the TW2000 Family of Products | 3 |
| For the TW3000 Family of Products | 4 |
| For the TW4000 Family of Products | 5 |
| For the TW5340 / TW5341 / TW5343 | 6 |
| For the TW5342 / TW5242 / TW5362 / TW5262 | 6 |
| For the VP6000 Family of Products | 7 |
| For the VC6000 Family of Products | 7 |
| For the Housed Helical Family of Products | 8 |
| For the Embedded Helical Family of Products | 9 |
| For the TW7000 Family of Products | 10 |
| For the TW8000 Family of Products | 11 |
| For the TWA (AccuAuto™) Family of Products | 12 |
| For the VeroStar Pole Mount Family of Products | 13 |
| For the VeroStar Surface Mount Family of Products | 13 |
| For the VeroStar Marine Family of Products | 13 |
| For the VeroStar Embedded-Standard Family of Products | 14 |
| For the VeroStar Embedded-Mini Family of Products | 14 |
| Cable Assembly | 15 |
| Accessories (TW3000) | 16 |

For the Embedded Antenna Family of Products

Custom Tuning is Highly Recommended for all Embedded Antennas

Part Number Structure : 33-aaaa-xx-yyyy (Please see Page 8 for Embedded Helicals)

● aaaa = Model ● xx = Connector ● yyyy = Cable Length in mm

Valid Connectors (xx) – All Embedded Patch Antennas must be cabled

– Please see Page 8 for Embedded Helicals

Cable Required :

| | | |
|-----------------------------------|-------------------------------|-----------------------------|
| 00 = SMA Straight Male (plug) | 13 = SSMA** | 25 = SMC Straight Female |
| 02 = MCX Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 03 = MMCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 04 = SMB Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 05 = MCX Right Angle Male (plug) | 18 = FME** | 29 = R/A SSMCX Plug** |
| 06 = MMCX Right Angle male (plug) | 19 = MMCX Female | 30 = SMB with Overmold** |
| 09 = U.FL (micro-coax cable) | 20 = SMA Female | 35 = MMBX** |
| 10 = SMA Right Angle** | 21 = SMA Right Angle Female** | 37 = R/A Male |
| SMB**11 = Reverse Polarity SMA** | 22 = R/A QMA** | 38 = TNC Female |
| 12 = Waterproof SMA** | 23 = SMP** | 39 = TNC Right Angle Male** |
| | 24 = SMC Male | |

If ordering one of our NEW (July 1, 2021) Extended Filtering models, the part number will be 33-aaaaXF-xx-yyyy

XF= Extended Filtering (Only available with TW3967 & TW3972E)

Cable Length Tolerances: <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

Maximum Cable Lengths: 5000mm for RG174 , 1450mm for Micro-Coax

**** Premiums apply. Please check with your Distributor.**

For the TW2000 Family of Products

Part Number Structure :

33-2aaa-xx-yyyy

● 2aaa = Model ● xx = Connector ● yyyy = Cable Length in mm (If Applicable)

Valid Connectors (xx)

Without Cable:

07 = SMA Female (jack) bulkhead

With Cable:

| | | |
|-----------------------------------|---------------------------------|----------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 04 = SMB Straight Male (plug) | 18 = FME** | 29 = R/A SSMCX Plug** |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 30 = SMB with Overmold** |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 31 = SMC R/A |
| Female** 10 = SMA Right Angle** | 21 = SMA Right Angle Female** | 35 = MMBX** |
| 11 = Reverse Polarity SMA** | 22 = R/A QMA** | 37 = R/A Male SMB** |
| 12 = Waterproof SMA** | 23 = SMP** | 38 = TNC Female |
| 13 = SSMA** | 24 = SMC Male | 39 = TNC Right Angle |
| | Male** 25 = SMC Straight Female | |

NOTE: To order the TW2000 antennas with No Magnet, add "NM" after the Product (eg. 33-2410NM-07).

To add Adhesive Tape to the bottom of the TW2000, add "AT" after the Product (eg. 33-2410AT-07).

If you would like both, No Magnet and Adhesive Tape, add "NMAT" after the Product (eg. 33-2410NMAT-07). To order the TW2000 antennas with rubber gasket add RG after the Product (eg. 33-2410RG-07). Please note that RG is incompatible with AT.

Cable Length Tolerances: <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

Maximum Included Cable Length: 5000mm

**** Premiums apply. Please check with your Distributor.**

For the TW3000 Family of Products

Please Refer to [Embedded Antennas](#) for all dual & triple band embedded TW3000 configurations.

Part Number Structure : 33-3aaa**bb**-xx-yy-zzzz

- 3aaa = Model
- bb = Modifier (If Applicable)
- xx = Connector
- yy = Radome (Type and Colour)
- zzzz = Cable Length in mm (If Applicable)

Valid Connectors (xx)

Without Cable:

| | | |
|--|----------------------|---|
| 01 = TNC Female (see #38 for cabled version) | 14 = N-Type Female** | 40 = N-Type Male** (see #16 for cabled version) |
|--|----------------------|---|

With Cable:

| | | |
|-----------------------------------|-------------------------------|-----------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 04 = SMB Straight Male (plug) | 18 = FME** | 29 = R/A SSMCX Plug** |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 30 = SMB with Overmold** |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 31 = SMC R/A Female** |
| 10 = SMA Right Angle** | 22 = R/A QMA** | 35 = MMBX** |
| 11 = Reverse Polarity SMA** | 21 = SMA Right Angle Female** | 37 = R/A Male SMB** |
| 12 = Waterproof SMA** | 23 = SMP** | 38 = TNC Female |
| 13 = SSMA** | 24 = SMC Male | 39 = TNC Right Angle Male** |
| | 25 = SMC Straight Female | |

Modifiers (bb): ST = Short Thread (ST not valid with 01 or 14 connectors) AJ = Anti-Jamming Configuration** XF = Extended Filtering (Only available with TW3872 & TW3972)

Maximum Cable Length: 5000mm **Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**** Premiums apply. Please check with your Distributor.**

Radome Codes (yy):

00 = Dark grey Conical 10 = Dark grey low profile 12 = Black low profile 01 = White Conical 11 = White low profile

AJ Antenna Radome Code (y):

W = White G=Grey (For TW3142, TW3442, TW3742, and TW3752 only)

Anti Jamming Part# 33-aaaaAJ-xx-y-zzzz (Cable Optional)

For the TW4000 Family of Products

Part Number Structure :

33-4aaa-xx-yyyy

● 4aaa = Model ● xx = Connector ● yyyy = Cable Length in mm

Valid Connectors (xx)

Cable Required:

| | | |
|--|-------------------------------|-----------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 04 = SMB Straight Male (plug) | 18 = FME** | 27 = MCX Straight Female |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 28 = SSMCX Straight Plug** |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 29 = R/A SSMCX Plug** |
| 10 = SMA Right Angle** | 21 = SMA Right Angle Female** | 30 = SMB with |
| Overmold** 11 = Reverse Polarity SMA** | 22 = R/A QMA** | 35 = MMBX** |
| 12 = Waterproof SMA** | 23 = SMP** | 37 = R/A Male SMB** |
| 13 = SSMA** | 24 = SMC Male | 38 = TNC Female |
| | 25 = SMC Straight Female | 39 = TNC Right Angle Male** |

NOTE: To order the TW4000 antennas with No Magnet, add “NM” after the Product (eg. 33-4421NM-00-3000). To add Adhesive Tape to the bottom of the TW4000, add “AT” after the Product (eg. 33-4421AT-00-3000).

If you want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-4421NMAT-00-3000).

Cable Length Tolerances: <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

Maximum Cable Length: 5000mm

**** Premiums apply. Please check with your Distributor.**

For the **TW5330 / TW5350 / TW5351/ TW5353/ TW5354**

Part Number Structure : 33-53ww-x-yy-zz-dddd

- 53ww = Model
- x = Voltage and Interface
- yy = Radome (Type and Colour)
- zz = Cable Length

| | |
|---|--|
| <p>w = Type:</p> <p>0 = Standard 1 = Non-Magnetic 3 = Two RS422 Ports</p> <p>x = Voltage and Interface:</p> <p>1 = 5V, RS232 5 = 3.3V, RS232 7 = 5-36V (standard)</p> <p>dddd = Cable Material Blank = UV Resistant PVC LSZH = Low smoke zero Halogen</p> | <p>Radome (yy):</p> <p>00 = Dark grey Conical 01 = White Conical 10 = Dark grey low profile 11 = White low profile</p> <p>Cable Length (zz):</p> <p>05 = 5m (standard) 15 = 15m*² 25 = 25m*²</p> |
|---|--|

* Premium applies

² 15m & 25m cable is not available with CMOS interface

For the **TW5252 / TW5262 / TW5332 / TW5352/ TW5362/ TW5365/ TW5382**

Part Number Structure: 33-5www-7-10-05-PC0

- w = Model
- 7 = 5-36v, RS232
- 10 = Dark Grey Low Profile Radome
- 05 = 5m cable
- PC0 = Factory Default

For the **VP6000** Family of Products

Part Number Structure : 33-6**abbcd-ee-gg**

- a = Covered Frequencies
- bb = LNA Gain
- c = Base
- d = Options
- ee = Connector
- gg = Radome

a = Covered Frequencies:

- 0 = All GNSS Frequencies + L-Band
- 1 = All GNSS Frequencies
- 2 = L1/L2, G1/G2, B1/B2, E1 + L-Band
- 3 = L1/L2/L5, G1/G2/G3, B1/B2, E1/E5a+b

c = Base:

- 0 = Standard Base

gg = Radome:

- 01 = White Conical
- 11 = White Flat Top

bb = LNA Gain:

- 35 = 35dB
- 50 = 50dB

d = Options:

- 0 = No Options

ee = Connector:

- 01 = TNC Female
- 14 = N-Type Female**

EXAMPLE: 33-605000-01-11 is an antenna which covers all GNSS frequencies + L-Band, provides 50 dB of gain, has a standard base, with a TNC female connector and a white flat top radome.

**** Premiums apply. Please check with your Distributor.**

For the **VC6000** Family of Products

Part Number Structure : 33-VC6**xyy-14** **

- x = Covered Frequencies
- yy = LNA Gain

** Standard ChokeRing is Red in color, see below for alternate color

x = Covered Frequencies:

- 0 = All GNSS Frequencies + L-Band Correction Services
- 1 = All GNSS Frequencies

yy = LNA Gain:

- 35 = 35dB
- 50 = 50dB

Connector:

- 14 = N-Type Female

** Part# for a Grey ChokeRing is 33-VC6xyy-14-G

SCIGN Radome Available

Short SCIGN Radome = 24-0053-0

Tall SCIGN Radome = 24-0053-1

For the Housed **Helical** Family of Products

Part Numbers:

| | | |
|----------------|--------------------------|--------------------------|
| HC600 | 33-HC600 (Passive) | |
| HC610 | 33-HC610-28 (28dB LNA) | |
| HC771 | 33-HC771-28 (28dB LNA) | |
| HC843 | 33-HC843-25 (25dB LNA) | |
| HC871 | 33-HC871-28 (28dB LNA) | |
| HC860 | 33-HC860-28 (28dB LNA) | 33-HC860-35 (35dB LNA) |
| HC872 | 33-HC872-28 (28dB LNA) | 33-HC872-35 (35dB LNA) |
| HC882 | 33-HC882-28 (28dB LNA) | 33-HC882-35 (35dB LNA) |
| HC976 | 33-HC976-28 (28dB LNA) | 33-HC976-35 (35dB LNA) |
| HC977 | 33-HC977-28 (28dB LNA) | 33-HC977-35 (35dB LNA) |
| HC977XF | 33-HC977XF-28 (28dB LNA) | 33-HC977XF-35 (35dB LNA) |

~All Housed Helicals include an integrated SMA Male Connector~

For the Embedded Helical Family of Products

| Model: | Part Numbers: |
|---|---|
| HC600E ¹ | 33-HC600E (Passive) |
| HC610E ¹ | 33-HC610E-28 (28dB LNA) |
| HC771E ¹ | 33-HC771E-28 (28dB LNA) |
| HC843E ² | 33-HC843E-25 (25dB LNA) |
| HC871E ¹ | 33-HC871E-28 (28dB LNA) |
| HC872E ² | 33-HC872E-28 (28dB LNA) 33-HC872E-35 (35dB LNA) |
| HC882E ² | 33-HC882E-28 (28dB LNA) 33-HC882E-35 (35dB LNA) |
| HC976E ² | 33-HC976E-28 (28dB LNA) 33-HC976E-35 (35dB LNA) |
| HC977E ² | 33-HC977E-28 (28dB LNA) 33-HC977E-35 (35dB LNA) |
| ~All Embedded Helicals include an integrated MCX Straight Female Connector~ | |
| Mounting Ring Available: | ¹ 20mm Ring – Part# 23-0219-0 ² 30mm Ring – Part# 23-0220-0 |

For the **TW7000** Family of Products

Part Number Structure :

33-7aaa-xx-yyyy

● 7aaa = Model ● xx = Connector ● yyyy = Cable Length in mm (If Applicable)

Valid Connectors (xx)

Without Cable:

07 = SMA Female (jack) bulkhead

With Cable:

| | | |
|-----------------------------------|---------------------------------|----------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 04 = SMB Straight Male (plug) | 18 = FME** | 29 = R/A SSMCX Plug** |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 30 = SMB with Overmold** |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 31 = SMC R/A |
| Female** 10 = SMA Right Angle** | 21 = SMA Right Angle Female** | 35 = MMBX** |
| 11 = Reverse Polarity SMA** | 22 = R/A QMA** | 37 = R/A Male SMB** |
| 12 = Waterproof SMA** | 23 = SMP** | 38 = TNC Female |
| 13 = SSMA** | 24 = SMC Male | 39 = TNC Right Angle |
| | Male** 25 = SMC Straight Female | |

NOTE: To order the TW7000 antennas with No Magnet, add "NM" after the Product (eg. 33-7970NM-07). To add Adhesive Tape to the bottom of the TW7000, add "AT" after the Product (eg. 33-7970AT-07).

If you would like both, No Magnet and Adhesive Tape, add "NMAT" after the Product (eg. 33-7970NMAT-07). To order the TW7000 antennas with rubber gasket add RG after the Product (eg. 33-7970RG-07). Please note that RG is incompatible with AT.

Cable Length Tolerances: <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

Maximum Cable Length Included: 5000mm

**** Premiums apply. Please check with your Distributor.**

For the **TW8000** Family of Products

Part Number Structure :

33-8aaa-xx-yyyy

● 8aaa = Model ● xx = Connector ● yyyy = Cable Length in mm

Valid Connectors

Cable Required:

| | | |
|-----------------------------------|-------------------------------|----------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 04 = SMB Straight Male (plug) | 18 = FME** | 29 = R/A SSMCX Plug** |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 30 = SMB with Overmold** |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 35 = MMBX** |
| 10 = SMA Right Angle** | 21 = SMA Right Angle Female** | 37 = R/A Male |
| SMB** 11 = Reverse Polarity SMA** | 22 = R/A QMA** | 38 = TNC Female |
| 12 = Waterproof SMA** | 23 = SMP** | 39 = TNC Right Angle |
| Male** 13 = SSMA** | 24 = SMC Male | |
| | 25 = SMC Straight Female | |

NOTE: To order the TW8000 antennas with No Magnet, add “NM” after the Product (eg. 33-8829NM-00-3000). To add Adhesive Tape to the bottom of the TW8000, add “AT” after the Product (eg. 33-8829AT-00-3000). If you want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-8829NMAT-00-3000).

Cable Length Tolerances: <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

Maximum Cable Length: 5000mm

**** Premiums apply. Please check with your Distributor.**

For the TWA (AccuAuto™) Family of Products

Part Number Structure :

33-AaaaL-xx-yyyy

- aaa = Model
- L = L-band corrections required (Optional)
- xx = Connector
- yyyy = Cable Length in mm

Valid Connectors (xx)

Cable Required:

| | | |
|-----------------------------------|--------------------------|----------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male** | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male** | 28 = SSMCX Straight Plug** |
| 04 = SMB Straight Male (plug) | 18 = FME** | 29 = R/A SSMCX Plug** |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 30 = SMB with Overmold** |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 31 = SMC R/A Female** |
| 10 = SMA Right Angle** | 22 = R/A QMA** | 35 = MMBX** |
| 11 = Reverse Polarity SMA** | 23 = SMP** | 37 = R/A Male SMB** |
| 12 = Waterproof SMA** | 24 = SMC Male | 38 = TNC Female |
| 13 = SSMA** | 25 = SMC Straight Female | |

Cable Length Tolerances: <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

Maximum Cable Length: 5000mm

**** Premiums apply. Please check with your Distributor.**

For the **VeroStar** Pole Mount Family of Products

Part Number Structure : 33-VSP6x37L-zz

- x = GNSS Band
- L = L-band corrections
- zz = Mount

| | | |
|--------------------------|--|------------------------------|
| x = GNSS Band: | zz = Mount: | LNA Gain: 37dB |
| 0 = Full Spectrum | 01 = 1" x 14tpi | Connector: TNC Female |
| 3 = Triple Band | 58 = 5/8" x 11tpi (Premium Applies) | L: L-band corrections |

For the **VeroStar** Surface Mount Family of Products

Part Number Structure : 33-VSS6x37L

- x = GNSS Band

| | | |
|--------------------------|------------------------|------------------------------|
| x = GNSS Band: | Mount: 4 screws | LNA Gain: 37dB |
| 0 = Full Spectrum | | Connector: TNC Female |
| 3 = Triple Band | | L: L-band corrections |

For the **VeroStar** Marine Family of Products

Part Number Structure : 33-VSS6x37L-MAR-zz

- x = GNSS Band

| | | |
|--------------------------|------------------------|------------------------------|
| x = GNSS Band: | Mount: 4 screws | LNA Gain: 37dB |
| 0 = Full Spectrum | | Connector: TNC Female |
| 3 = Triple Band | | L: L-band corrections |

For the **VeroStar** Embedded-Standard Family of Products

Part Number Structure :

33-VSE6x28L

● x = GNSS Band

● L = L-band corrections

x = GNSS Band:

0 = Full Spectrum

3 = Triple Band

Mount: 8 screws

LNA Gain: 28dB

Connector: MCX Straight Female

L: L-band corrections

CONTACT TALLYSMAN BEFORE ORDERING!

For the **VeroStar** Embedded-Mini Family of Products

Part Number Structure :

33-VSM6x28L-ppp

● x = GNSS Band

● p = PCB Diameter

● L = L-band corrections

x = GNSS Band:

0 = Full Spectrum

3 = Triple Band

p = PCB Diameter:

090 = 090mm PCB

106 = 106mm PCB

Mount: 8 screws

LNA Gain: 28dB

Connector: MCX Straight Female

L: L-band corrections

CONTACT TALLYSMAN BEFORE ORDERING!

Cable Assembly

Part Number Structure : 27-XX-ZZZZ-XX-YYYYY

- XX = Connector Type (up to 2)
- ZZZZ = Cable length in mm
- YYYYY = Cable Type (eg RG174, LMR100, RG58, RG316)

Valid Connectors (xx)

| | | |
|-----------------------------------|-----------------------------|---------------------------|
| 00 = SMA Straight Male (plug) | 15 = TNC male (plug) | 26 = SMB Straight Female |
| 02 = MCX Straight Male (plug) | 16 = N-Type Male | 27 = MCX Straight Female |
| 03 = MMCX Straight Male (plug) | 17 = BNC Male | 28 = SSMCX Straight Plug |
| 04 = SMB Straight Male (plug) | 18 = FME | 29 = R/A SSMCX Plug |
| 05 = MCX Right Angle Male (plug) | 19 = MMCX Female | 30 = SMB with Overmold |
| 06 = MMCX Right Angle male (plug) | 20 = SMA Female | 35 = MMBX |
| 10 = SMA Right Angle | 21 = SMA Right Angle Female | 37 = R/A Male |
| SMB11 = Reverse Polarity SMA | 22 = R/A QMA | 38 = TNC Female |
| 12 = Waterproof SMA | 23 = SMP | 39 = TNC Right Angle Male |
| 13 = SSMA | 24 = SMC Male | |
| | 25 = SMC Straight Female | |

Accessories (TW3000)

| | |
|------------------|---|
| 23-0067-0 | TW3000 Series – Ground Plane - Aluminum |
| 23-0040-0 | TW3000 Series – L-Bracket - Aluminum |
| 23-0040-1 | TW3000 Series – L-Bracket - Stainless Steel |
| 23-0040-2 | TW3000 Series – L-Bracket - Aluminum Anti-Jamming |
| 23-0092-0 | TW3000 Series – Mast Mount |
| 23-0065-0 | TW3000 Series – Pipe Mount Adapter – Screw Compression |
| 23-0110-0 | TW3000 Series – Pipe Mount Adapter – Threaded |