

# Tallysman Part Number Ordering Guide

## TABLE OF CONTENTS

For the <b>Embedded</b> Antenna Family of Products .....	2
For the <b>TW2000</b> Family of Products.....	3
For the <b>TW3000</b> Family of Products.....	4
For the <b>TW4000</b> Family of Products.....	5
For the <b>TW5330 / TW5350 / TW5351 / TW5353 / TW5354</b> .....	6
For the <b>TW5252 / TW5262 / TW5332 / TW5352 / TW5362 / TW5365 / TW5382</b> .....	6
For the <b>VP6000</b> Family of Products.....	7
For the <b>VC6000</b> Family of Products.....	7
For the Housed <b>Helical</b> Family of Products .....	8
For the Embedded <b>Helical</b> Family of Products.....	9
For the <b>TW7000</b> Family of Products.....	10
For the <b>TW8000</b> Family of Products.....	11
For the <b>TWA (AccuAuto™)</b> Family of Products.....	12
For the <b>VeroStar</b> Pole Mount Family of Products .....	13
For the <b>VeroStar</b> Surface Mount Family of Products .....	13
For the <b>VeroStar</b> Marine Family of Products .....	13
<b>For the VeroStar</b> Embedded-Standard Family of Products .....	14
<b>For the VeroStar</b> Embedded-Mini Family of Products .....	14
<b>Cable Assembly</b> .....	15
<b>Accessories (TW3000)</b> .....	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

**w = Type:**

- 0 = Standard
- 1 = Non-Magnetic
- 3 = Two RS422 Ports

**x = Voltage and Interface:**

- 7 = 5-36V (standard)

- dddd = Cable Material
- Blank = UV Resistant PVC
- LSZH = Low smoke zero Halogen

**Radome (yy):**

- 00 = Dark grey Conical
- 01 = White Conical
- 10 = Dark grey low profile
- 11 = White low profile

**Cable Length (zz):**

- 05 = 5m (standard)
- 15 = 15m\*<sup>2</sup>
- 25 = 25m\*<sup>2</sup>

\* Premium applies

<sup>2</sup> 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-PCO

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

## For the **VP6000** Family of Products

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

- a = Covered Frequencies
- bb = LNA Gain
- = 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

**d = Options:**

- 0 = No Options

**bb = LNA Gain:**

- 35 = 35dB
- 50 = 50dB

**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:**

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

<b>Model:</b>	<b>Part Numbers:</b>
HC600E <sup>1</sup>	33-HC600E (Passive)
HC610E <sup>1</sup>	33-HC610E-28 (28dB LNA)
HC771E <sup>1</sup>	33-HC771E-28 (28dB LNA)
HC843E <sup>2</sup>	33-HC843E-25 (25dB LNA)
HC871E <sup>1</sup>	33-HC871E-28 (28dB LNA)
HC872E <sup>2</sup>	33-HC872E-28 (28dB LNA)   33-HC872E-35 (35dB LNA)
HC882E <sup>2</sup>	33-HC882E-28 (28dB LNA)   33-HC882E-35 (35dB LNA)
HC976E <sup>2</sup>	33-HC976E-28 (28dB LNA)   33-HC976E-35 (35dB LNA)
HC977E <sup>2</sup>	33-HC977E-28 (28dB LNA)   33-HC977E-35 (35dB LNA)
~All Embedded Helicals include an integrated MCX Straight Female Connector~	
<b>Mounting Ring Available:</b>	<sup>1</sup> 20mm Ring – Part# 23-0219-0   <sup>2</sup> 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
- xx = Connector
- L = L-band corrections required (Optional)
- 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

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

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

Part Number Structure : 33-VSS6x37L

- x = GNSS Band

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

## For the **VeroStar Marine** Family of Products

Part Number Structure : 33-VSS6x37L-MAR-zz

- x = GNSS Band

<b>x = GNSS Band:</b>	<b>Mount:</b> 4 screws	<b>LNA Gain:</b> 37dB
0 = Full Spectrum		<b>Connector:</b> TNC Female
3 = Triple Band		<b>L:</b> 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)

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