

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

w = Type:

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

x = Voltage and Interface:

- 1 = 5V, RS232
- 5 = 3.3V, RS232
- 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*²
- 25 = 25m*²

* 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