

Tallysman Part Number Ordering Guide

For All Embedded Antennas

Custom Tuning is Highly Recommended for all Embedded Antennas

Part Number Structure :

33-aaaa-xx-yyyy

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

Valid Connectors

00 = SMA Straight Male (plug)	13 = SSMA**	27 = MCX Straight Female
01 = TNC Female	15 = TNC male (plug)	28 = SSMCX Straight Plug**
02 = MCX Straight Male (plug)	16 = N-Type Male**	29 = R/A SSMCX Plug**
03 = MMCX Straight Male (plug)	17 = BNC Male**	30 = SMB with Overmold**
04 = SMB Straight Male (plug)	18 = FME**	33 = MMCX Straight Male (Cinch Connectivity)
05 = MCX Right Angle Male (plug)	19 = MMCX Female	34x = FAKRA (replace "x" with colour code)**
06 = SMB Straight Male (plug)	20 = SMA Female	35 = MMBX (RG174 cable)**
08 = H.FL (Female)** (micro-coax cable)	22 = R/A QMA**	36 = MMBX (RG316 cable)**
09 = U.FL (micro-coax cable)	23 = SMP**	37 = R/A Male SMB**
10 = SMA Right Angle**	24 = SMC Male	38 = TNC Female (cable required)**
11 = Reverse Polarity SMA**	25 = SMC Straight Female	
12 = Waterproof SMA**	26 = SMB Straight Female	

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

Maximum Cable Lengths: 5m for RG174 , 1450mm for micro-coax

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

About Tallysman: With global headquarters and manufacturing in Ottawa, Canada, Tallysman is a leading manufacturer of high-precision antennas and components for Global Navigation Satellite System (GNSS) applications. Tallysman's mission is to support the needs of a new generation of positioning systems by delivering unprecedented antenna precision at competitive prices. Learn more at www.tallysman.com

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For the TW2000 Family of Products

Part Number Structure : 33-2aaa-xx-yyyy

● 2aaa = Product ● xx = Connector ● yyyy = Cable Length in mm

Valid Connectors

Without Cable:

00 = SMA Female (jack) bulkhead

With Cable (max length 5m):

00 = SMA Straight Male (plug)

01 = TNC Female

02 = MCX Straight Male (plug)

03 = MMCX Straight Male (plug)

04 = SMB Straight Male (plug)

05 = MCX Right Angle Male (plug)

06 = SMB Straight Male (plug)

10 = SMA Right Angle**

11 = Reverse Polarity SMA**

12 = Waterproof SMA**

13 = SSMA**

15 = TNC male (plug)

16 = N-Type Male**

17 = BNC Male**

18 = FME**

19 = MMCX Female

20 = SMA Female

22 = R/A QMA**

23 = SMP**

24 = SMC Male

25 = SMC Straight Female

26 = SMB Straight Female

27 = MCX Straight Female

28 = SSMCX Straight Plug**

29 = R/A SSMCX Plug**

30 = SMB with Overmold**

31 = SMC R/A Female**

33 = MMCX Straight Male
(Cinch Connectivity)

34x = FAKRA (replace “x” with
colour code)**

35 = MMBX (RG174 cable)**

36 = MMBX (RG316 cable)**

37 = R/A Male SMB**

38 = TNC Female (cable required)**

NOTE: To order any of the TW2000 antennas with NO MAGNETS, add “NM” after the Product (eg. 33-2410NM-00-3000). To add Adhesive Tape to the bottom of the same, add “AT” after the Product Name (eg. 33-2410AT-07). If you desire both, then use NMAT, eg. 33-2410NMAT-07.

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

Maximum Cable Length: 5m

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

For the TW3000 Family of Products

For TW3865, TW3870E, TW3872E, TW3967 & TW3972E - Refer to [Embedded Antennas](#)

Part Number Structure : 33-3aaaabb-xx-yy-zzzz

- 3aaa = Product
- xx = Connector
- zzzz = Cable Length in mm 4 digits (if applicable)
- bb = Modifier
- yy = Radome (Type and Colour)

Valid Connectors

Without Cable:	12 = Waterproof SMA**	28 = SSMCX Straight Plug**
01 = TNC Female	13 = SSMA**	29 = R/A SSMCX Plug**
14 = N-Type Female**	15 = TNC male (plug)	30 = SMB with Overmold**
	16 = N-Type Male**	31 = SMC R/A Female**
With Cable (max length 5m):	17 = BNC Male**	33 = MMCX Straight Male (Cinch Connectivity)
00 = SMA Straight Male (plug)	18 = FME**	34x = FAKRA (replace "x" with colour code)**
01 = TNC Female	19 = MMCX Female	35 = MMBX (RG174 cable)**
02 = MCX Straight Male (plug)	20 = SMA Female	36 = MMBX (RG316 cable)**
03 = MMCX Straight Male (plug)	22 = R/A QMA**	37 = R/A Male SMB**
04 = SMB Straight Male (plug)	23 = SMP**	38 = TNC Female (cable required)**
05 = MCX Right Angle Male (plug)	24 = SMC Male	
06 = SMB Straight Male (plug)	25 = SMC Straight Female	
10 = SMA Right Angle**	26 = SMB Straight Female	
11 = Reverse Polarity SMA**	27 = MCX Straight Female	

Modifiers: ST = Short Thread AJ = Anti-Jamming Configuration**

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

Maximum Cable Length: 5m

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

Radome Codes:

00 = Dark grey Conical 10 = Dark grey low prole 20 = Red low prole 01 = White Conical 11 = White low prole

For AJ Antennas:

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

For the TW4000 Family of Products

Part Number Structure : 33-4aaa-xx-yyyy

● 4aaa = Product

● xx = Connector

● yyyy = Cable Length in mm (max length 5000mm)

Valid Connectors

00 = SMA Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
01 = TNC Female	17 = BNC Male**	28 = SSMCX Straight Plug**
02 = MCX Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
03 = MMCX Straight Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
04 = SMB Straight Male (plug)	20 = SMA Female	33 = MMCX Straight Male (Cinch Connectivity)
05 = MCX Right Angle Male (plug)	22 = R/A QMA**	34x = FAKRA (replace "x" with colour code)**
06 = SMB Straight Male (plug)	23 = SMP**	35 = MMBX (RG174 cable)**
10 = SMA Right Angle**	24 = SMC Male	36 = MMBX (RG316 cable)**
11 = Reverse Polarity SMA**	25 = SMC Straight Female	37 = R/A Male SMB**
12 = Waterproof SMA**	26 = SMB Straight Female	38 = TNC Female (cable required)**
13 = SSMA**	27 = MCX Straight Female	
15 = TNC male (plug)	28 = SSMCX Straight Plug**	

NOTE: To order any of the TW4000 antennas with NO MAGNETS, add "NM" after the Product (eg. 33-4421NM-00-3000). To add Adhesive Tape to the bottom of the same, add "AT" after the Product Name (eg. 33-4421AT-00-3000). If you desire both, then add them together, eg. 33-4421NMAT-00-3000.

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

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

For the TW5340 / TW5341

Part Number Structure : 33-534w-x-yy-zz

- 534w = Product
- x = Voltage and Interface
- yy = Radome (Type and Colour)
- zz = Cable Length

w = Type:

- 0 = Standard
- 1 = Non-Magnetic

x = Voltage and Interface:

- 1 = 5V, RS232
- 2 = 5V, CMOS
- 3 = 3.3V, CMOS
- 4 = 5V, RS232
- 6 = 12-36V, RS232

Radome (yy):

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

Cable Length (zz):

- 05 = 5m standard
- 15 = 15m,*
- 25 = 25m*

* Premium applies (Not available with CMOS interface)

For the TW5342 / TW5242 & TW5362 / TW5262

Part Number Structure:

TW5342 33-5342-6-10-05-PCO

TW5242 33-5242-6-10-05-PCO

TW5362 33-5362-7-10-05-PCO

TW5262 33-5262-7-10-05-PCO

- 5342 / 5242 = Product
- 6 = 12-36v, RS232
- 10 = Dark Grey Low Profile Radome
- 5362 / 5262 = Product
- 7 = 5-36v, RS232
- 05 = 5m cable

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 (Type and Colour)

a = Covered Frequencies:

0 = All GNSS frequencies + L-Band (1525 - 1559 MHz)

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

bb = LNA Gain:

35 = 35dB

50 = 50dB

c = Base:

0 = Standard Base

d = Options:

0 = No Options

ee = Connector:

01 = TNC Female

14 = N-Type Female**

gg = Radome:

01 = White Conical

11 = White Flat Top

EXAMPLE: 33-605000-01-11 is an antenna which covers all GNSS frequencies + L-Band, provides, 50 dB of gain, uses a standard base, with a TNC female connector and a white -at 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
- 14 = N-Type Connector

x = Covered Frequencies:

1 = All GNSS frequencies

yy = LNA Gain:

35 = 35dB

50 = 50dB

Connector:

14 = N-Type Connector

PN for Short SCIGN Radome = 24-0053-0 for Tall SCIGN Radome = 24-0053-1

For the Housed Helical Family of Products

Part Numbers

HC600	33-HC600	
HC771	33-HC771-28 (28dB LNA)	
HC871	33-HC871-28 (28dB LNA)	
HC872	33-HC872-28 (for 28dB LNA)	33-HC872-35 (for 35dB LNA)
HC882	33-HC882-28 (for 28dB LNA)	33-HC882-35 (for 35dB LNA)
HC977	33-HC977-28 (for 28dB LNA)	33-HC977-35 (for 35dB LNA)

For the Embedded Helical Family of Products

Part Numbers

HC600E	33-HC600E-xx-yyyy	
HC771E	33-HC771E-xx-yyyy	
HC871E	33-HC871E-28 -xx-yyyy (28dB LNA)	33-HC871E-35-xx-yyyy (35dB LNA)
HC872E	33-HC872E-28-xx-yyyy (28dB LNA)	33-HC872E-35-xx-yyyy (35dB LNA)
HC882E	33-HC882E-28-xx-yyyy (28dB LNA)	33-HC882E-35-xx-yyyy (35dB LNA)
HC975E	33-HC975E-28-xx-yyyy (28dB LNA)	33-HC975E-35-xx-yyyy (35dB LNA)

Where xx= connector type (refer to the [Embedded section](#) for options)

Where yyyy = cable length in mm (refer to the [Embedded section](#) for options)

For the TW7000 Family of Products

Part Number Structure : 33-7aaa-xx-yyyy

● 7aaa = Product ● xx = Connector ● yyyy = Cable Length in mm

Valid Connectors

Without Cable:

00 = SMA Female (jack) bulkhead

With Cable (max length 5m):

00 = SMA Straight Male (plug)

01 = TNC Female

02 = MCX Straight Male (plug)

03 = MMCX Straight Male (plug)

04 = SMB Straight Male (plug)

05 = MCX Right Angle Male (plug)

06 = SMB Straight Male (plug)

10 = SMA Right Angle**

11 = Reverse Polarity SMA**

12 = Waterproof SMA**

13 = SSMA**

15 = TNC male (plug)

16 = N-Type Male**

17 = BNC Male**

18 = FME**

19 = MMCX Female

20 = SMA Female

22 = R/A QMA**

23 = SMP**

24 = SMC Male

25 = SMC Straight Female

26 = SMB Straight Female

27 = MCX Straight Female

28 = SSMCX Straight Plug**

29 = R/A SSMCX Plug**

30 = SMB with Overmold**

31 = SMC R/A Female**

33 = MMCX Straight Male
(Cinch Connectivity)

34x = FAKRA (replace “x” with
colour code)**

35 = MMBX (RG174 cable)**

37 = R/A Male SMB**

38 = TNC Female (cable required)**

NOTE: To order any of the TW7000 antennas with NO MAGNETS, add “NM” after the Product (eg. 33-7970NM-00-3000). To add Adhesive Tape to the bottom of the same, add “AT” after the Product Name (eg. 33-7970AT-07). If you desire both, then use NMAT, eg. 33-7970NMAT-07.

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

Maximum Cable Length: 5m

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

For the TW8000 Family of Products

Part Number Structure : 33-8aaa-xx-yyyy

● 8aaa = Product ● xx = Connector ● yyyy = Cable Length in mm (max length 5000mm)

Valid Connectors

00 = SMA Straight Male (plug)	16 = N-Type Male**	29 = R/A SSMCX Plug**
01 = TNC Female	17 = BNC Male**	30 = SMB with Overmold**
02 = MCX Straight Male (plug)	18 = FME**	33 = MMCX Straight Male (Cinch Connectivity)
03 = MMCX Straight Male (plug)	19 = MMCX Female	35 = MMBX (RG174 cable)**
04 = SMB Straight Male (plug)	20 = SMA Female	37 = R/A Male SMB**
05 = MCX Right Angle Male (plug)	22 = R/A QMA**	38 = TNC Female (cable required)**
06 = SMB Straight Male (plug)	23 = SMP**	
10 = SMA Right Angle**	24 = SMC Male	
11 = Reverse Polarity SMA**	25 = SMC Straight Female	
12 = Waterproof SMA**	26 = SMB Straight Female	
13 = SSMA**	27 = MCX Straight Female	
15 = TNC male (plug)	28 = SSMCX Straight Plug**	

NOTE: To order any of the TW8000 antennas with NO MAGNETS, add “NM” after the Product (eg. 33-8829NM-00-3000). To add Adhesive Tape to the bottom of the same, add “AT” after the Product Name (eg. 33-8829AT-00-3000). If you desire both, then add them together, eg. 33-8829NMAT-00-3000.

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

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

For the VeroStar Family of Products

Part Number Structure : 33-VSA6XYZ

- A = Form Factor
- X = GNSS Band
- YY = LNA Gain
- ZZ = Mount

A = Form Factor:

- P = Pole Mount
- S = Surface Mount
- D = Dorne Margolin Mount
- E = Embedded (See [Embedded Version Codes](#))

X = GNSS Band:

- 0 = Full Spectrum
- 1 = Single Band
- 2 = Dual Band (L1/L2)
- 3 = Triple Band
- 5 = Dual Band (L1/L5)

YY = LNA Gain:

- 37 = 37dB

ZZ = Mount:

- 01 = 1" x 14tpi
- 58 = 5/8" x 11tpi**
- 04 = 4 screws (VSS version only)
- 08 = 8 screws (VSE version only)
- 12 = 12 screws (VSD version only)

NOTE: If L-band reception is required, add "L" after the "YY" part of the Part Number.

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

Embedded Version Codes

Version Code Structure : 33-VSE6XYZ-03

- X = GNSS Band
- YY = LNA Gain
- 03 = Connector

X = GNSS Band:

- 0 = Full Spectrum
- 1 = Single Band
- 2 = Dual Band (L1/L2)
- 3 = Triple Band
- 5 = Dual Band (L1/L5)

YY = LNA Gain:

- 37 = 37dB

Connector:

- 03 = MMCX Straight Male (plug)

NOTE: If L-band reception is required, add "L" after the "YY" part of the Part Number.