

Tallysman Part Number Ordering Guide

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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 want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-2410NMAT-07).

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 : 33-3aaaabb-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)
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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 TW5340 / TW5341/TW5343

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

- 534w = 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
- 2 = 5V, CMOS
- 3 = 3.3V, CMOS
- 5 = 3.3V, RS232
- 6 = 9-36V, RS232
- 8 = 9-36V, RS422 (only option for TW5343)

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
- 5D = 5m Terminating in IP67 DIN connector*

*** Premium applies**

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

For the TW5342 / TW5242 /TW5362 / TW5262

Part Number Structure:

33-5www-x-10-05-PC0

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

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

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, 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 want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-7970NMAT-07).

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: 0 = Full Spectrum 3 = Triple Band	zz = Mount: 01 = 1" x 14tpi 58 = 5/8" x 11tpi (Premium Applies)	LNA Gain: 37dB Connector: TNC Female L: L-band corrections
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For the **VeroStar Surface Mount** Family of Products

Part Number Structure : 33-VSS6x37L

- x = GNSS Band

x = GNSS Band: 0 = Full Spectrum 3 = Triple Band	Mount: 4 screws	LNA Gain: 37dB Connector: TNC Female L: L-band corrections
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For the **VeroStar Marine** Family of Products

Part Number Structure : 33-VSS6x37L-MAR-zz

- x = GNSS Band

x = GNSS Band: 0 = Full Spectrum 3 = Triple Band	Mount: 4 screws	LNA Gain: 37dB Connector: TNC Female L: L-band corrections
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For the VeroStar Embedded-Standard Family of Products

Part Number Structure : 33-VSE6028L

Connector: MCX Straight Female

LNA Gain: 28dB

Mount: 8 Screws

L: L-band corrections

CONTACT TALLYSMAN BEFORE ORDERING!

For the VeroStar Embedded-Mini Family of Products

Part Number Structure : 33-VSM6028L-ppp

● p = PCB Diameter

p = PCB Diameter

090 = 090mm PCB

106 = 106mm PCB

Connector: MCX Straight Female

LNA Gain: 28dB

Mount: 8 Screws

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 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	

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