

Calian Part Number Ordering Guide

Table of contents

Embedded Antenna Family of Products	2
TW2000 Family of Products	3
TW3000 Family of Products	4
TW4000 Family of Products	5
TW5000 Family of Products	6,7
TruPrecision SDK, Super Small & Light Series	8
VP6000, VC6000 Family of Products	9
Housed Helical Family of Products	10
Embedded Helical Family of Products	11
TW7000 Family of Products	12
TW8000 Family of Products	13
TWA (AccuAuto™) Family of Products	14
VeroStar Pole Mount Family of Products	15
VeroStar Surface Mount Family of Products	15
VeroStar Marine Family of Products	15
VeroStar Embedded-Standard Family of Products	16
VeroStar Embedded-Mini Family of Products	16
Cable Assembly	17
Accessories	18, 19

About Calian

We keep the world moving forward. Calian® helps people communicate, innovate, learn and lead safe and healthy lives. Every day, our employees live our values of customer commitment, integrity, innovation and teamwork to engineer reliable solutions that solve complex problems. That's Confidence. Engineered. A stable and growing 40-year company, we are headquartered in Ottawa with offices and projects spanning North American, European and international markets. Visit calian.com to learn about innovative healthcare, communications, learning and cybersecurity solutions.

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

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**	29 = R/A SSMCX Plug**
04 = SMB Straight Male (plug)	18 = FME**	30 = SMB with Overmold**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	35 = MMBX**
06 = MMCX Right Angle male (plug)**	20 = SMA Female	37 = R/A Male SMB**
09 = U.FL (micro-coax cable)	21 = SMA Right Angle Female**	38 = TNC Female
10 = SMA Right Angle**	22 = R/A QMA**	39 = TNC Right Angle Male**
11 = Reverse Polarity SMA**	23 = SMP Straight Male (plug)**	40 = SMP R/A Female**
12 = Waterproof SMA**	24 = SMC Male	
13 = SSMA**	25 = SMC Straight Female	

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.**

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)

02 = MCX Straight Male (plug)

03 = MMCX Straight Male (plug)

04 = SMB Straight Male (plug)

05 = MCX Right Angle Male (plug)

06 = MMCX Right Angle 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

21 = SMA Right Angle Female**

22 = R/A QMA**

23 = SMP Straight Male (plug)**

24 = SMC Male

25 = SMC Straight Female

26 = SMB Straight Female

27 = MCX Straight Female

29 = R/A SSMCX Plug**

30 = SMB with Overmold**

31 = SMC R/AFemale**

35 = MMBX**

37 = R/A Male SMB**

38 = TNC Female

39 = TNC Right Angle Male**

40 = SMP R/A 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 Cable Lengths: 5000mm

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

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

14 = N-Type Female**

With Cable:

00 = SMA Straight Male (plug)

16 = N-Type Male**

27 = MCX Straight Female

02 = MCX Straight Male (plug)

17 = BNC Male**

29 = R/A SSMCX Plug**

03 = MMCX Straight Male (plug)

18 = FME**

30 = SMB with Overmold**

04 = SMB Straight Male (plug)

19 = MMCX Female

31 = SMC R/AFemale**

05 = MCX Right Angle Male (plug)

20 = SMA Female

35 = MMBX**

06 = MMCX Right Angle male (plug) **

21 = SMA Right Angle Female**

37 = R/A Male SMB**

10 = SMA Right Angle**

22 = R/A QMA**

38 = TNC Female

11 = Reverse Polarity SMA**

23 = SMP Straight Male (plug)**

39 = TNC Right Angle Male**

12 = Waterproof SMA**

24 = SMC Male

40 = SMP R/A Female**

13 = SSMA**

25 = SMC Straight Female

15 = TNC male (plug)

26 = SMB 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.**

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

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 TW3742, and TW3752 only)

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)	16 = N-Type Male**	27 = MCX Straight Female
02 = MCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
03 = MMCX Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
04 = SMB Straight Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
05 = MCX Right Angle Male (plug)	20 = SMA Female	35 = MMBX**
06 = MMCX Right Angle male (plug) **	21 = SMA Right Angle Female**	37 = R/A Male SMB**
10 = SMA Right Angle**	22 = R/A QMA**	38 = TNC Female
11 = Reverse Polarity SMA**	23 = SMP Straight Male (plug)**	39 = TNC Right Angle Male**
12 = Waterproof SMA**	24 = SMC Male	40 = SMP R/A Female**
13 = SSMA**	25 = SMC Straight Female	
15 = TNC male (plug)	26 = SMB Straight Female	

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 Lengths: 5000mm

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

TW5350 / TW5351 / TW5354 (Timing & Infrastructure Positioning)

Part Number Structure : 33-535w-x-yy-zz-PCO

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

w = Model Type:

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

x = Voltage and Interface:

7 = 5-36V (standard)
9 = 5V LV (extended low voltage for 25m applications)

PCO = Factory Default

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*
25 = 25m*

*Premium applies

TW5252 / TW5262 / TW5352 / TW5362 / TW5365 (Automotive Positioning)

Part Number Structure : 33-5uvw-7-10-05-PCO

uvw = Model 7 = 5-36v 10 = Dark Gray Low-Profile Radome
05 = 5m Cable PCO = Factory Default

Model Type:

Mount (u):

2 = magnetic
3 = Fixed

IMU (v):

5 = no IMU
6 = IMU

Signalling (w):

2 = RS232
5 = RS422/485

TW5(3/7)8(2/4/6) (Dual-Band High Precision)

Part Number Structure : 333-5a8w-xv-yy-zz-PCO

5a8w = Model

xv = Interface and Voltage

yy = Radome (Type and Colour)

zz = Cable Length

a = Mount Type:

3 = Through-Hole, Fixed Mount
7 = Surface Mount, Magnet

w = Model Type:

2 = Timing (L1/L2)
4 = Positioning (L1/L2)
6 = Positioning (L1/L2) + IMU

x = Interface:

0 = RS422/485
1 = USB
2 = RS232
3 = USB+BT+Wifi
4 = CMOS

v = Voltage:

7 = 5-36V (standard)

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*
25 = 25m*

PCO = Factory Default

*Premium applies

TW5(3/7)90 (Dual-Band + IMU + L-Band)

Part Number Structure : 33-5a90-xv-yy-zz-PCO

5a90 = Model

xv = Interface and Voltage

yy = Radome (Type and Colour)

zz = Cable Length

a = Mount Type:

3 = Through-Hole, Fixed Mount
7 = Surface Mount, Magnet

For CLAS Precise Positioning add "C"
to the model number
(33-5a90C-xv-yy-zz-PCO)

x = Interface:

0 = RS422/485
1 = USB
2 = RS232
3 = USB+BT+Wifi
4 = CMOS

v = Voltage:

9 = 5V LV

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*
25 = 25m*

PCO = Factory Default

TruPrecision SDK:

Part Number Structure : 33-TP5abbSDK-x

a = Mount Type bb = Model x = Interface

a = Mount Type:

3 = Through-Hole, Fixed Mount
7 = Surface Mount, Magnet

bb = Model:

82 = Timing (L1/L2)
84 = Positioning (L1/L2)
86 = Positioning (L1/L2) + IMU
90 = Timing/Positioning (L1/L2)
+ IMU + L-Band

x = Interface:

0 = RS422/485
1 = USB
2 = RS232
3 = USB+BT+Wifi
4 = CMOS

Super Small & Light Series

Part Number Structure : 33-SSLaaaXF-x

aaa = Model Number x = Configuration

aaa = Model Number

x = Configuration

1 = Through Hole
2 = Mounting Ring
3 = Adhesive Tape

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

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.

**Premium applies

VC6000 Family of Products

Part Number Structure : 33-VC6**x****yy**-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-VC6**x****yy**-14-G

SCIGN Radome Available

Short SCIGN Radome = 24-0053-0

Tall SCIGN Radome = 24-0053-1

Housed Helical Family of Products

Model:	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~

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

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)

02 = MCX Straight Male (plug)

03 = MMCX Straight Male (plug)

04 = SMB Straight Male (plug)

05 = MCX Right Angle Male (plug)

06 = MMCX Right Angle 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

21 = SMA Right Angle Female**

22 = R/A QMA**

23 = SMP Straight Male (plug)**

24 = SMC Male

25 = SMC Straight Female

26 = SMB Straight Female

27 = MCX Straight Female

29 = R/A SSMCX Plug**

30 = SMB with Overmold**

31 = SMC R/A Female**

35 = MMBX**

37 = R/A Male SMB**

38 = TNC Female

39 = TNC Right Angle Male**

40 = SMP R/A 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 Lengths: 5000mm

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

TW8000 Family of Products

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

8aaa = Model

xx = Connector

yyyy = Cable Length in mm

Valid Connectors (xx)

Cable Required:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	25 = SMC Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	26 = SMB Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	27 = MCX Straight Female
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 Straight Male (plug)**	39 = TNC Right Angle Male**
13 = SSMA**	24 = SMC Male	40 = SMP R/A 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 Lengths: 5000mm

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

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**	29 = R/A SSMCX Plug**
04 = SMB Straight Male (plug)	18 = FME**	30 = SMB with Overmold**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	31 = SMC R/A Female**
06 = MMCX Right Angle male (plug) **	20 = SMA Female	35 = MMBX**
10 = SMA Right Angle**	22 = R/A QMA**	37 = R/A Male SMB**
11 = Reverse Polarity SMA**	23 = SMP Straight Male (plug)**	38 = TNC Female
12 = Waterproof SMA**	24 = SMC Male	40 = SMP R/A Female**
13 = SSMA**	25 = SMC Straight Female	

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

Maximum Cable Lengths: 5000mm

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

VeroStar Pole Mount Family of Products

Part Number Structure : 33-VSP6^x37^L-^{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

VeroStar Surface Mount Family of Products

Part Number Structure : 33-VSS6^x37L

^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

VeroStar Marine Family of Products

Part Number Structure : 33-VSP6^x37L-MAR-^{zz}

^x = GNSS Band ^{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

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: 4 screws

LNA Gain: 28dB

Connector: MCX Straight Female

L: L-Band corrections

Contact Calian before ordering

VeroStar Embedded-Mini Family of Products

Part Number Structure : 33-VSM6x28L-ppp

x = GNSS Band L = L-Band corrections p = PCB Diameter

x = GNSS Band:

0 = Full Spectrum

3 = Triple Band

Mount: 8 screws

LNA Gain: 28dB

Connector: MCX Straight Female

L: L-Band corrections

p = PCB Diameter:

090 = 090mm PCB

106 = 106mm PCB

Contact Calian before ordering

AJ Series Antennas

Part Number Structure : 33-AJ977XF-xx

x = GNSS Band

Valid Connectors (xx)

01 = TNC female connector
14 = N-type female connector

Cable Assembly

Part Number Structure : 27-xx-zzzz-yyyy

x = Connector type (up to 2) zzzz = Cable length in mm

yyyy = Cable type (eg RG174, LMR100, RG58, RG316)

Valid Connectors (xx)

00 = SMA Straight Male (plug)	15 = TNC male (plug)	25 = SMC Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	26 = SMB Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	27 = MCX Straight Female
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 Straight Male (plug)**	39 = TNC Right Angle Male
13 = SSMA**	24 = SMC Male	40 = SMP R/A Female**

** Premiums apply. Please check with your Distributor.

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

In-Line Amplifiers

- 32-0120-xx** – GPS L1, 25dB
- 32-0125-xx** – 1.2 to 1.8 GHz, 27dB
- 32-0125B-xx** – 1 to 2 GHz, 27dB
- 32-0127-xx** – Low Current/Low Voltage 1559 MHz to 1610 MHz, 25 dB
- 32-0141-xx** – 1.15 to 1.75 GHz, 40dB, mid power

xx = connector type

- 00 – SMA female on input (antenna connection) / SMA female on output (receiver connection)
- 01 – TNC female on input (antenna connection) / TNC female on output (receiver connection)
- 02 – SMA female on input (antenna connection) / TNC female on output (receiver connection)
- 03 – TNC female on input (antenna connection) / SMA female on output (receiver connection)
- 14 – N-type female connectors

***premiums apply**

Bias Tees – Signal Splitters

- 32-0150-xx** – 1 to 2 signal splitter with DC pass-through (port 2)
- 32-0151-xx** – 1 to 2 signal splitter with DC blocking
- 32-0154-xx** – Bias Tee, 3.3 VDC out
- 32-0155-xx** – Bias Tee, 5 VDC out

xx = connector type

- 00 – SMA female (jack) for internal use only
- 01 – TNC female (jack) for internal use only
- 02 – TNC female (jack), IP67 rating, for external use

***premiums apply**

Bias Tees – Signal Splitters

32-0162-xx - 1 to 2 smart signal splitter (TNC or N-Type connectors only)

32-0162A-xx - 1 to 2 smart signal splitter (FAKRA connectors only)

32-0163-xx - 1 to 2 smart signal splitter with 10dB amplification (TNC or N-Type connectors only)

32-0164-xx - 1 to 4 smart signal splitter (TNC or N-Type connectors only)

32-0165-xx - 1 to 4 smart signal splitter with 10dB amplification (TNC or N-Type connectors only)

xx = connector type

01 - TNC female (jack) for internal use only

14 - N-type female

34 - FAKRA