



FAA Approved Facility

(1 – 6 GHz) 2-Way Power Divider/Combiner

P/N: 2G1760S-XS2-1 (SMA Connector), P/N: 2G1760S-XT2-1 (TNC Connector), P/N: 2G1760S-XN2-1 (N Connector)

P/N: 2G1452S-XT-1 P25.2dBP31.5B (TNC Connector, P2/P3: (30/70) % Power)

Other Connectors Are Also Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
A		FOR N CONNECTOR	10/08/13
			S.H.

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(1.0 - 6.0) GHz
VSWR:	< 1.5:1
IMPEDANCE:	50 ohms
ISOLATION (dB):	24
INSERTION LOSS (dB):	0.4
AMPLITUDE BALANCE (dB):	0.3
PHASE BALANCE (Deg.):	4.0 Max
POWER HANDLING:	100 Watt CW

MECHANICAL:

SIZE: LENGTH=1.80 in.[45.72 mm], WIDTH=1.75 in. [38.10 mm]
HEIGHT 0.66 in. [22.23 mm]

WEIGHT: 2.24 oz. (63.5 g)

FINISH: BASE IRIDITE PER MIL-C-5441F

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
UV, ABRASION, AND SKYDROL RESISTANCE

CONNECTOR: SMA FEMALE
(OPTIONAL: TNC, OR N)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C] (Operational)
-85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)

ALTITUDE: 70,000 ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

Dimensions: 1.80 [45.72] (Length), 1.75 [44.45] (Width), 1.50 [38.10] (Height), 1.55 [39.37] (Bottom Width), 0.88 [22.23] (Mount Hole Diameter), 0.66 [16.76] (Mount Hole Spacing), 1.75 [44.45] (SMA Connector Spacing), 1.50 [38.10] (TNC/N Connector Spacing), 0.50 [12.70] (SMA Connector Depth), 1.06 [26.92] (TNC/N Connector Depth).

4x ϕ .125 [ϕ 3.18] Thru for 4.-40 Screws

SMA FEMALE CONNECTOR (TNC, N, OR CABLE IS OPTIONAL)
DC ENABLE/DISABLE IS OPTIONAL

2 WAY POWER DIVIDER
P/N: 2G1760S-XS2-1
Wt: 2.3 oz. Mfg: 08/07/13
Antcom Corporation, USA

FREQ. BAND:	LNA GAIN:	DC OPTION:
1215: (0.3-3) GHz	13: 13 dB GAIN	1: P1, P2, P3 DC ALL DISABLE
1760: (1-6) GHz	20: 20 dB GAIN	2: P1, P2, P3 DC ALL ENABLE
	33: 33 dB GAIN	3: P1, P2 DC ENABLE; P3 DC DISABLE

P/N: 2G1760S-XS2-1

CABLE'S LENGTH:	CONNECTOR:	WAY:
X: NO CABLE	T: TNC (Optional Bulkhead)	2: 2-WAY
M: WITH MAG. MOUNT	S: SMA	4: 4-WAY
#: CABLE LENGTH (IN)	N: N (Optional Bulkhead)	8: 8-WAY
R: RIGHT ANGLE CON.	M: MCX	

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

QTY	DESCRIPTION	PART NO.	SPECIFICATION	MATERIAL	FINISH	ITEM NO.
1						1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS ANGLES
 \pm 1/64 .0005 .010 \pm 1°
TOLERANCE SYM PER ANSI Y14.5
REMOVE ALL BURRS
BREAK EDGES .005 TO .015
FILLET R .005 TO R .020
COPER THREADS PER MIL-F-8879
DIA'S ON A COMMON \pm .0005
MACHINED SURFACES
DO NOT SCALE DRAWING

DATE	BY	CHKD BY	APP'D BY
Feb-08-04	S. HUYNH		
Feb-09-04	S. HUYNH		
June-07-13	S. HUYNH		
Oct-15-13	M. DIEP		
Oct-08-13	S. HUYNH		

ANTCOM CORP. TORRANCE, CALIFORNIA

2-WAY, IN PHASE with DC ENABLE/DISABLE POWER DIVIDER/COMBINER

REV: D 3CVE1 SCALE: 1/1 SHEET 1 OF 1