



FAA Approved Facility

(1.125-1.675) GHz Inline-Filter with DC By-Pass from Input to Output  
 For (Cellular/ GSM/ PCS/ Wi-Fi/ WLAN/ 2G/ 3G/ 4G/ LTE/ CMDA/ UMTS) Rejection

P/N: N-M-1.1-1.6Inline-Filter-N-F

Other Frequencies and Connector Options are Available

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



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**SPECIFICATIONS**

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**

FREQUENCY:	(1.125 - 1.675) GHz
VSWR:	2:1
IMPEDANCE:	50 ohms
INSERTION LOSS:	<1.5 dB
REJECTION:	(1-900) MHz: 40 dB Min.
	(900-1002) MHz: 25 dB Min.
	(1800-2500) MHz: 30 dB Min.
	(2500-5900) MHz: 27 dB Min.

**MECHANICAL:**

SIZE:	LENGTH: <2.70 in [68.6 mm] DIAMETER: .595 in [15.11 mm]
WEIGHT:	< 1.0 oz. (28 g)
FINISH:	BASE IRIDIUM PER MIL-C-5541F, Type II Class 3
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE STAINLESS STEEL 316
CONNECTOR:	N-MALE TO N-FEMALE (OPTION: TNC, SMA, BNC)

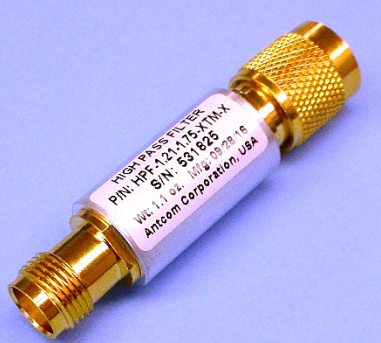
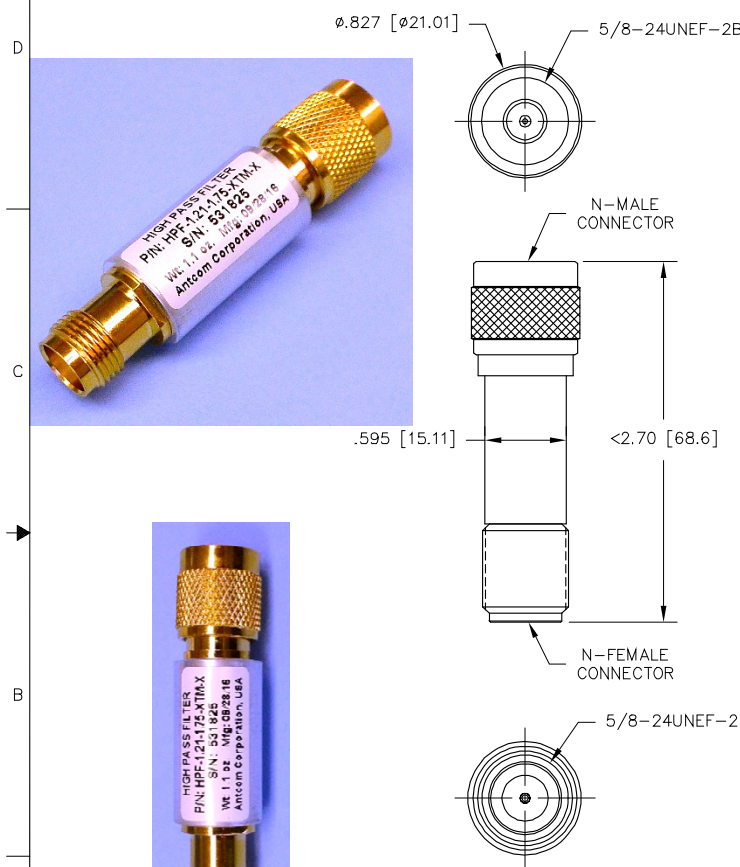
**ENVIRONMENTAL:**

TEMPERATURE:	-67 °F TO +221 °F [-55 °C TO +105 °C]
	70,000 ft.
VIBRATION:	> 30 G's HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

DO-160D (ENV/EMI), DO-228 (ENV/EMI), MIL-STD-1472 (DOD), MIL-C-5541F  
 MIL-PRF-39012 (CONN), MIL-STD-810G (ENV/EMI), MIL-HDBK-5400 (ELEC)  
 MIL-STD-464C (ELEC MAG), MIL-STD-130N-1 (ID), MIL-STD-889B (METAL)  
 RCC-319-14 (TERMINATION), RCC-324-01(SAFETY), FAA TSO-C144  
 MIL-I-45208A, NAS411-1 (HAZ) AND SAE J1455 (AUTOMOTIVE)

**ACCEPTANCE TEST PROCEDURE:** ATP-GPS-L1L2-100



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MALE CONNECTOR:		FEMALE CONNECTOR:	
SMA-M	SMA-F	TNC-M	TNC-F
TNC-M	TNC-F	N-M	N-F
N-M	N-F	BNC-M	BNC-F

QUANTITY	DESCRIPTION	PART NO	FINISH	REV
-	-	-	-	2
-	-	-	-	1

UNLESS OTHERWISE SPECIFIED		ANTCOM CORP. TORRANCE CALIFORNIA	
FRAC TIONS ARE IN DECIMALS	ORIGINAL DRAWN S. HUYNH Sept-14-16	<b>(1.125 - 1.675) GHz            Inline Filter</b>	
ANGLES $\pm 1^\circ$	ORIGINAL DESIGNED S. HUYNH Sept-14-16		
TOLERANCE $\pm .010$ PER ANSI Y14.5	UPDATED S. HUYNH June-12-17		
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILED TO .005 PER MIL-S-8879 DRILL IN A COLUMN $\pm .0005$	UPDATE DRAWN P. TRAY June-12-17		
MACHINED SURFACES $\pm .0005$	APPROVED S. HUYNH June-12-17	D 3CVE1 N-M-1.1-1.6Inline-Filter-N-F SCALE 1/1 SHEET 1 OF 1	