



FAA Approved Facility

# 8-Way Power Divider/Combiner

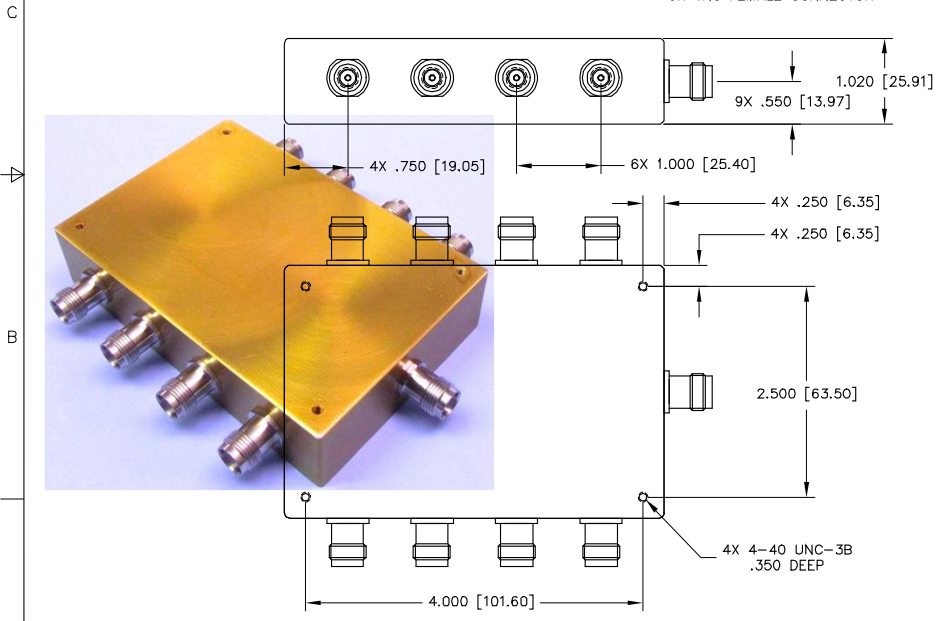
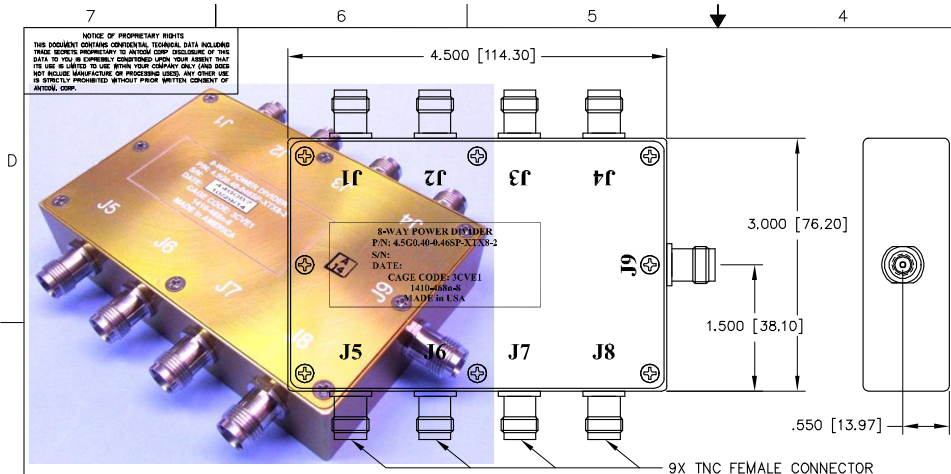
P/N: 4.5G0.40-0.46SP-XTX8-2

Other Frequency Bands, LNA, DC/Connector Options are Available

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



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P/N: 4.5G0.40-0.46SP-XTX8-2

FREQ. BAND:	LNA GAIN:	Connector:	DIVIDER:	DC OPTION:
X.X-Y.Y: (X.X-Y.Y) GHz	P: PASSIVE	S: SMA; B: BNC; T: TNC	2: 2-WAY	1: J1 to J9 DC ALL BLOCKED
0.40-0.46: (.40-.46) GHz	A: ACTIVE (LNA@ P1 INPUT)	N: N; M: MCX; MM: MMCX	3: 3-WAY	2: J1 to J9 DC ALL ENABLED
1.0-2.0: (1.0-2.0) GHz	A1: 13 dB GAIN	F: F; SB: SMB; SC: SMC	4: 4-WAY	3: J1/J9 DC. ENABLE; J2 to J8 DC BLOCKED
2.0-3.0: (2.0-3.0) GHz	A2: 20 dB GAIN		8: 8-WAY	
4.0-6.0: (4.0-6.0) GHz	A3: 33 dB GAIN			
2.0-6.0: (2.0-6.0) GHz				

## SPECIFICATIONS

### ELECTRICAL:

FREQUENCY:	(400 - 460) MHz
IMPEDANCE:	50 ohms
INSERTION LOSS (dB):	0.3
ISOLATION (dB):	25
VSWR:	1.3 : 1
AMPLITUDE BALANCE (dB):	± 0.1
PHASE BALANCE (Deg.):	± 0.5
POWER HANDLING:	100 Watt CW
INTERNAL PWR DISSIPATION:	<105 mW

### MECHANICAL:

SIZE:	4.500in. [114.30mm] x 3.000in. [76.20mm] HEIGHT 1.020in. [25.91mm]
WEIGHT:	<9.0 oz. (255 g)
FINISH:	BASE IRIDITE PER MIL-C-5541F CLASS 3
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE

### CONNECTOR:

9X TNC FEMALE  
(OPTIONAL: SMA, TNC, N, BNC, MCX, MMCX, F)

### ENVIRONMENTAL:

TEMPERATURE:	-90 °F TO +257 °F [-67 °C TO +125 °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 MIL-S-22473, MIL-STD-202, MIL-STD-130C

QTY	DESCRIPTION	PART NO	MATERIAL	FINISH	REV
4	4-40 SCREW, .75L	91735A113, Item 585-0.75	-	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES		ANTCOM CORP. TORRANCE, CALIFORNIA	
± 1/64	± .005	± .01	± .1°
TOLERANCE 5% PER ANSI Y14.5		ORIGINAL DRAWN: S. HUYNH May-03-11	
MESH ALL SURF. BREAK EXTERNAL EDGES .005 TO .015		ORIGINAL DESIGNED: S. HUYNH May-03-11	
FILES TO .000		UPDATED: S. HUYNH Oct-29-14	
SHAFT SURFACES PER MIL-S-8879		UPDATE DRAWN: P. TRAN Oct-29-14	
DIA'S ON A COINER @ 2X MAG		APPROVED: S. HUYNH Oct-29-14	
MACHINED SURFACES 12/		SCALE 1/1	
DO NOT SCALE DRAWING		SHEET 1 OF 1	