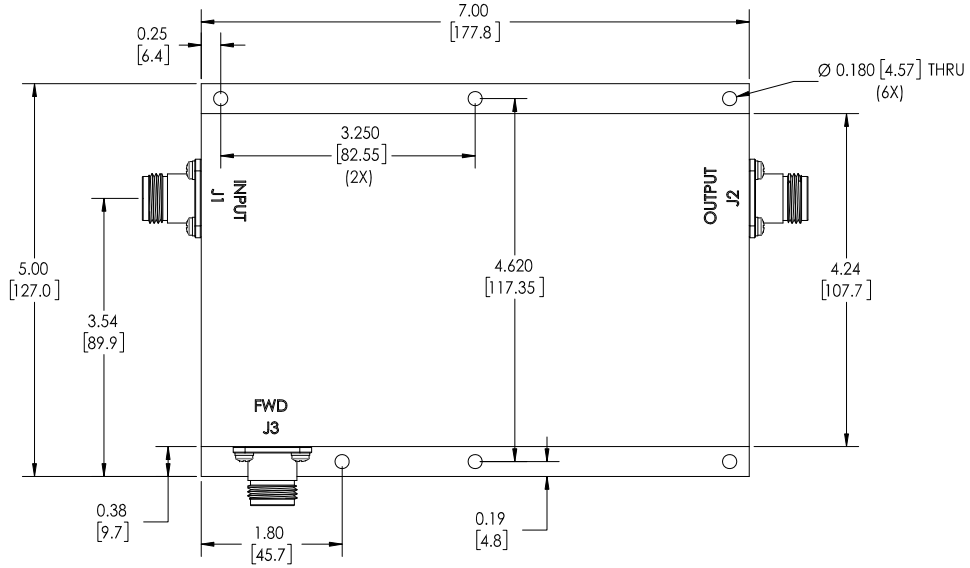
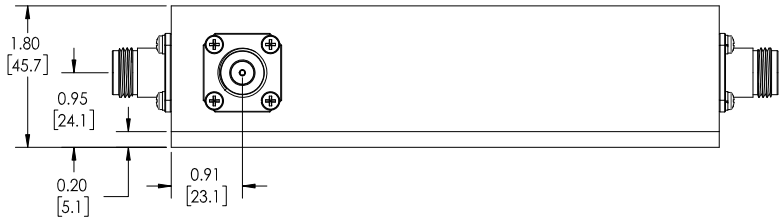
REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 3434	2/24/04	RH
B	ECN 9696	6/12/2019	RB





Notes:

1. Material: Aluminum 6061-T6
2. **Finish: Black Epoxy Paint/White Epoxy Lettering**
3. Connectors: See table
4. **O-Ring Sealed: Watertight Design**
5. Insertion Loss is independent of theoretical coupling loss
6. During normal operation, the uneven splitter will not require any heat dissipation. In the case of a failure in the cable connected to J2 or J3, however, the unit must be mounted to a heat spreader capable of dissipating 35 W CW
7. Operating Temperature: -55°C to +75°C
8. Storage Temperature: -60°C to +85°C
9. Humidity: 100% Condensing
10. Weight: 3 pounds

Model C8163W
6 dB Uni Directional Coupler

Electrical Specifications:

Frequency:	100 - 1000 MHz
Power:	200 W CW
Coupling:	6 ± 1.0 dB Nom.
Flatness:	± 1.0 dB Max.
Insertion Loss:	0.4 dB Max.
VSWR(ML):	1.30:1 Max.
Directivity:	20 dB Min.

Standard connector configurations are as follows:

Model	Input(J1)	Output(J2)	Fwd(J3)
C8163W-10	N Female	N Female	N Female

NEXT ASSY | USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
• INTERPRET DRAWING IAW MIL-STD-100
• DIMENSIONING PER ASME Y14.5M-2009
• PARENTHETICAL INFO FOR REF ONLY
• DIMENSIONS ARE IN INCHES
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
• TOLERANCES:
ANGLES ± 2°
3 PL ± .005 [.13]
2 PL ± .015 [.38]
• REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
• CONCENTRICITY MACHINED DIAC .002 FIM
• MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

		DATE
DWN	SD	6/12/2019
CHK	CS	6/12/2019
ENGR		
MFGR		
QA		
RLSE		

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B		10921-500	B

SCALE 1:1.25 SHEET 1 OF 1