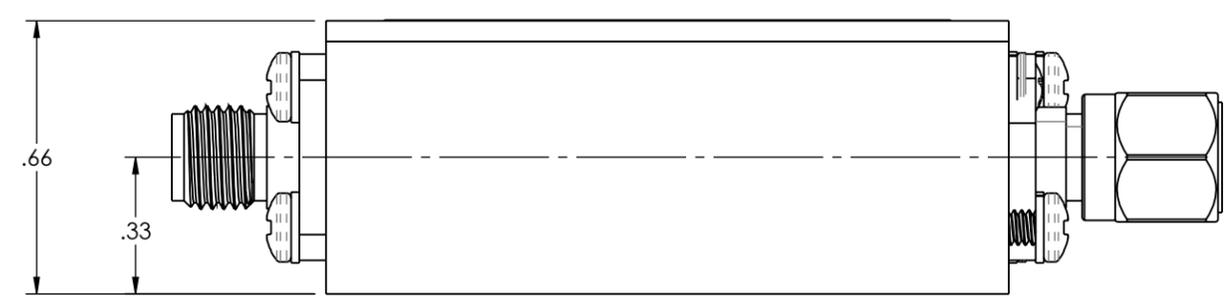
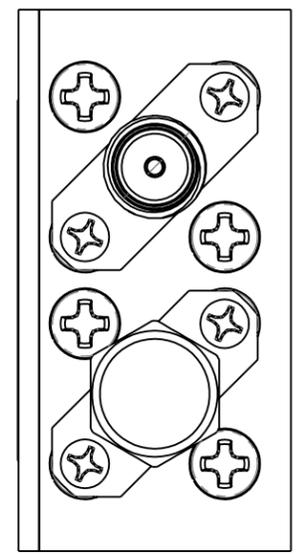
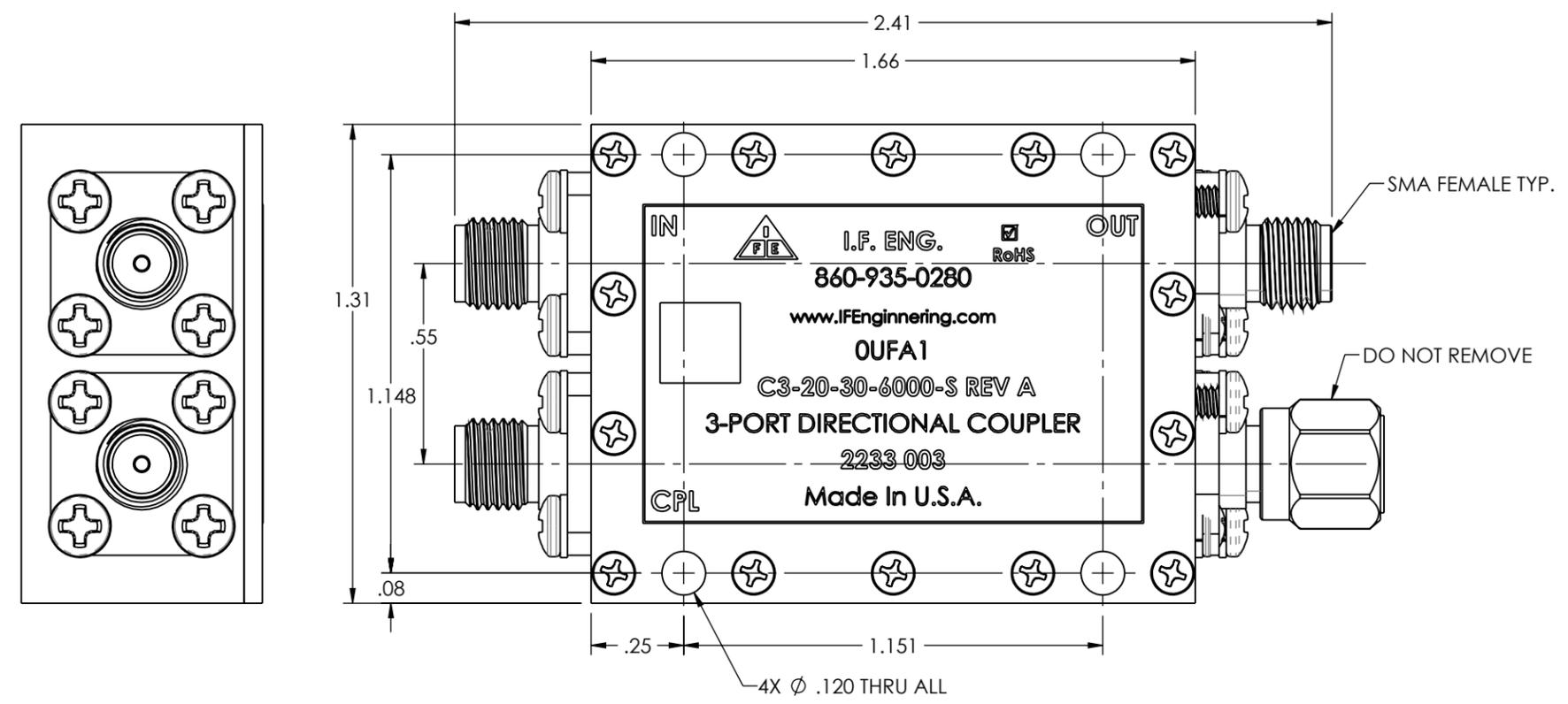


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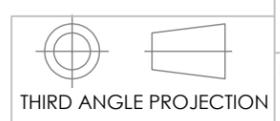
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	PRELIMINARY	08/16/2023	DR
2	UPDATED ELE. SPEC. CHART	08/25/2023	DR



ELECTRICAL SPECIFICATION DIRECTIONAL COUPLER, 3-PORT	
FREQUENCY RANGE (MHz)	30-6000
COUPLING (dB) NOM.	20
COUPLING TOLERANCE (dB) MAX.	±1*
COUPLING VARIATION (dB) MAX.	±1.5
INSERTION LOSS (dB), MAX.	1.6**
DIRECTIVITY (dB) MIN.	20
VSWR MAX.	1.3:1
IMPEDANCE (OHMS) NOM.	50
INPUT POWER (WCW) MAX.	1.0
TEMPERATURE RANGE (°C)	0 TO +50

\*FOR THE MIDPOINT BETWEEN MIN AND MAX COUPLING.  
 \*\*INSERTION LOSS INCLUDES COUPLING LOSS. THEORETICAL LOSS FOR THIS TOPOLOGY IS 0.92 dB.

- NOTES:
1. MATERIAL: CHASSIS & COVER ALUMINUM
  2. FINISH: CLEAR CHROMATE
  3. APPLY STANDARD MARKING LABEL APPROX. WHERE SHOWN
  4. SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



DRAWN DR	DATE 08/16/2023	UNLESS OTHERWISE SPECIFIED DIMENSIONS MEASURED IN INCHES DRAWING PRACTICES PER ASME Y14.5	 3 FOSHAY ROAD, DUDLEY MA 01571		
ENG APPD	DATE				
MFG APPD	DATE	TOLERANCES .XX ±.01 .XXX ±.005	TITLE: OUTLINE DRAWING C3-20-30-6000-S		
QA APPD	DATE	SURFACE ROUGHNESS 63 ✓ REMOVE BURRS SHARP EDGES	SIZE <b>B</b>	CODE IDENT NO. <b>OUFA1</b>	DRAWING NO. <b>110-306-181</b>
RELEASED	DATE	MATERIAL: FINISH:	REV. <b>2</b>	SCALE: 2.25:1 SHEET: 1 of 1	

# E5071C Network Analyzer

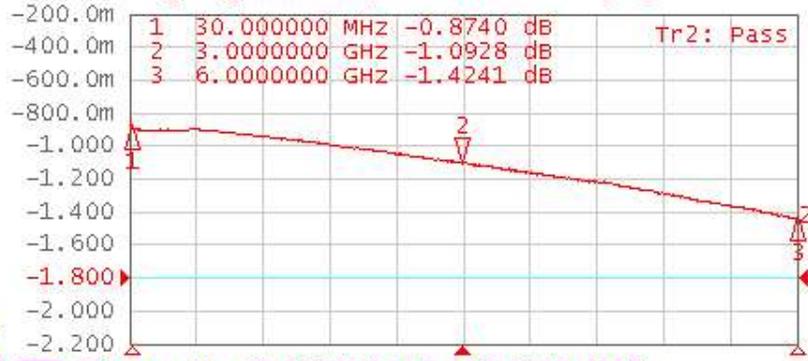
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

C3-20-30-6000-S 3-Port Data

Tr1 S11 SWR 100.0m/ Ref 1.000 [F4]



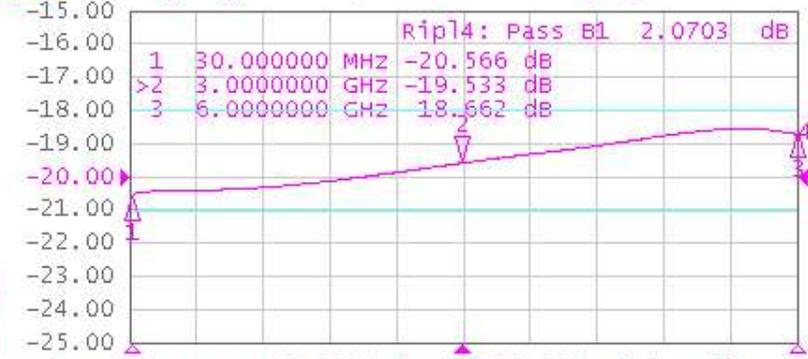
Tr2 S21 Log Mag 200.0m dB/ Ref -1.800 dB [F4]



Tr3 S22 SWR 100.0m/ Ref 1.000 [F4]



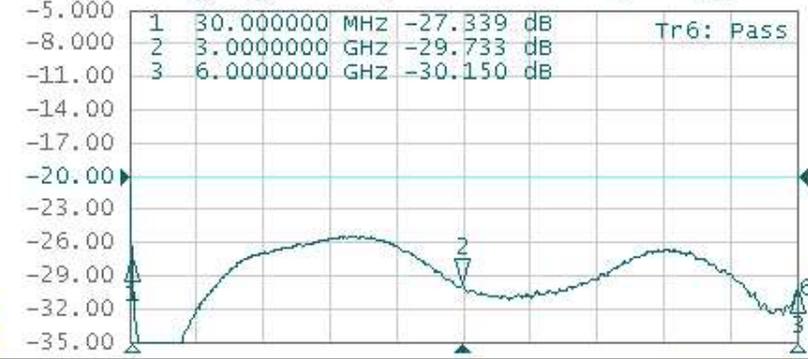
Tr4 S31 Log Mag 1.000 dB/ Ref -20.00 dB [F4]



Tr5 S33 SWR 100.0m/ Ref 1.000 [F4]



Tr6 DIR31 Log Mag 3.000 dB/ Ref -20.00 dB [F4 Equ]



1 Start 10 MHz

IFBW 10 kHz

Stop 6 GHz 16/16 Cor |

Meas Stop ExtRef Svc 2023-08-16 09:10

S3P

[ 1-2-3 ]...

[ 1-2-4 ]...

[ 1-3-4 ]...

[ 2-3-4 ]...

Return