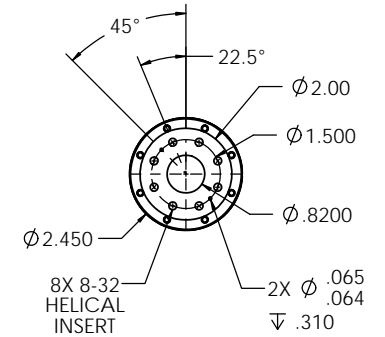
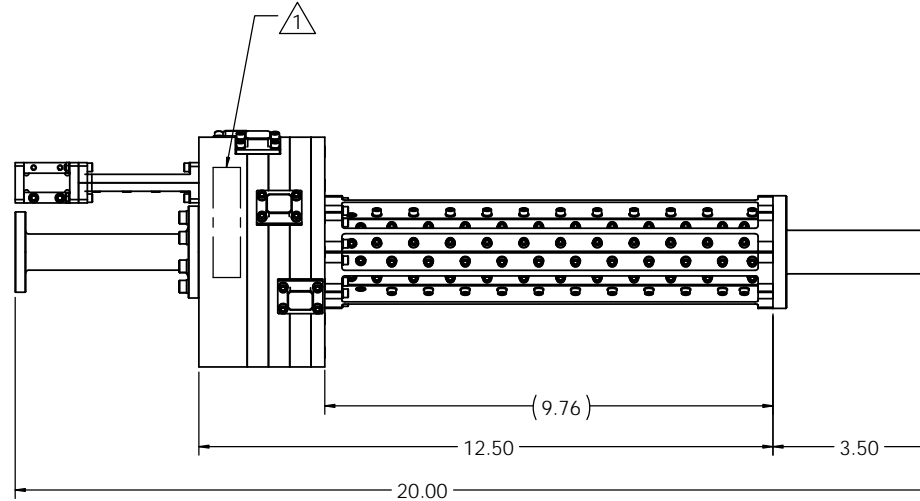
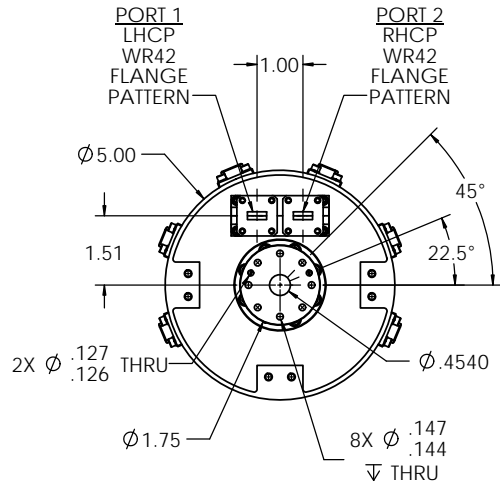


NOTES: UNLESS OTHERWISE SPECIFIED

① IDENTIFICATION IAW S-7550 APPROXIMATELY WHERE SHOWN

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	P1	PRELIMINARY	03 JUN 15	L.T.
	P2	PRELIMINARY	29 JUL 15	L.T.
	P3	PRELIMINARY	30 JUL 15	L.T.
	P4	PRELIM - revised / redrawn: no spec chg	22SEP15	R.H. A.B.



SPECIFICATIONS

FREQUENCY BAND

TRACKING (DIFF) CHANNEL: 17.70 - 21.20 GHz
 DOWNLINK CHANNEL: 17.70 - 21.20 GHz
 UPLINK CHANNEL: 27.50 - 31.00 GHz

INSERTION LOSS

THROUGH LINE 17.70 - 31.00 GHz: 0.05 dB MAX

VSWR

THROUGH LINE 17.70 - 31.00 GHz: 1.06:1 MAX
 TRACKING 17.70 - 21.20GHz: 1.60:1 MAX

COUPLING

TE11 MODE TO TRACK CHANNEL: 35 dB OR BETTER (Rx)
 TE11 MODE TO TRACK CHANNEL: 90 dB MIN (Tx)
 TE21 MODE TO TRACK CHANNEL: 5 dB ±2 dB (Rx)

DIFFERENCE CHANNEL NULL

DEPTH : 38 dB WITH RESPECT TO SUM CHANNEL PEAK

POWER HANDLING

: 1.0 KW CW MIN

WEIGHT

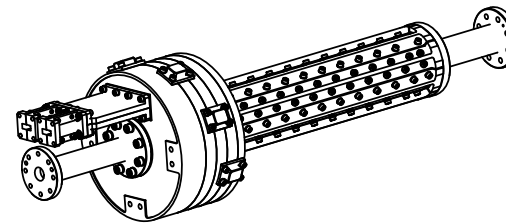
: TBD

PRESSURE

: SEALED TO 5.0 PSIG

FINISH

INTERIOR & FLANGE FACES: CHROMATE CONVERSION COATED
 EXTERIOR: WHITE PAINT



INTERFACE DRAWING

DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994 ALL DIMENSIONS ARE IN INCHES TOLERANCES: .XX ±.01 .XXX ±.002 .XXXX ±.0010 ANGLES ± 0° 30' ALL MACHINED SURFACES ³² PROPRIETARY AND CONFIDENTIAL	APPROVALS DRAWN: TOVALIN CHECKED: ISSUED: ENGR: QA:	DATE 03JUN15	SPACETIME ENGINEERING HARBOR CITY, CA 90710 TITLE TE21 TRACKING COUPLER, Ka-BAND, Tx/Rx
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPACETIME ENGINEERING CO INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPACETIME ENGINEERING CO INC. IS PROHIBITED.	EAR CONTROLLED Export or re-export subject to the regulations relating to Commerce and Foreign Trade under CFR title 15 parts 700 - 799	
SCALE: 1:1		SHEET 1 of 1	