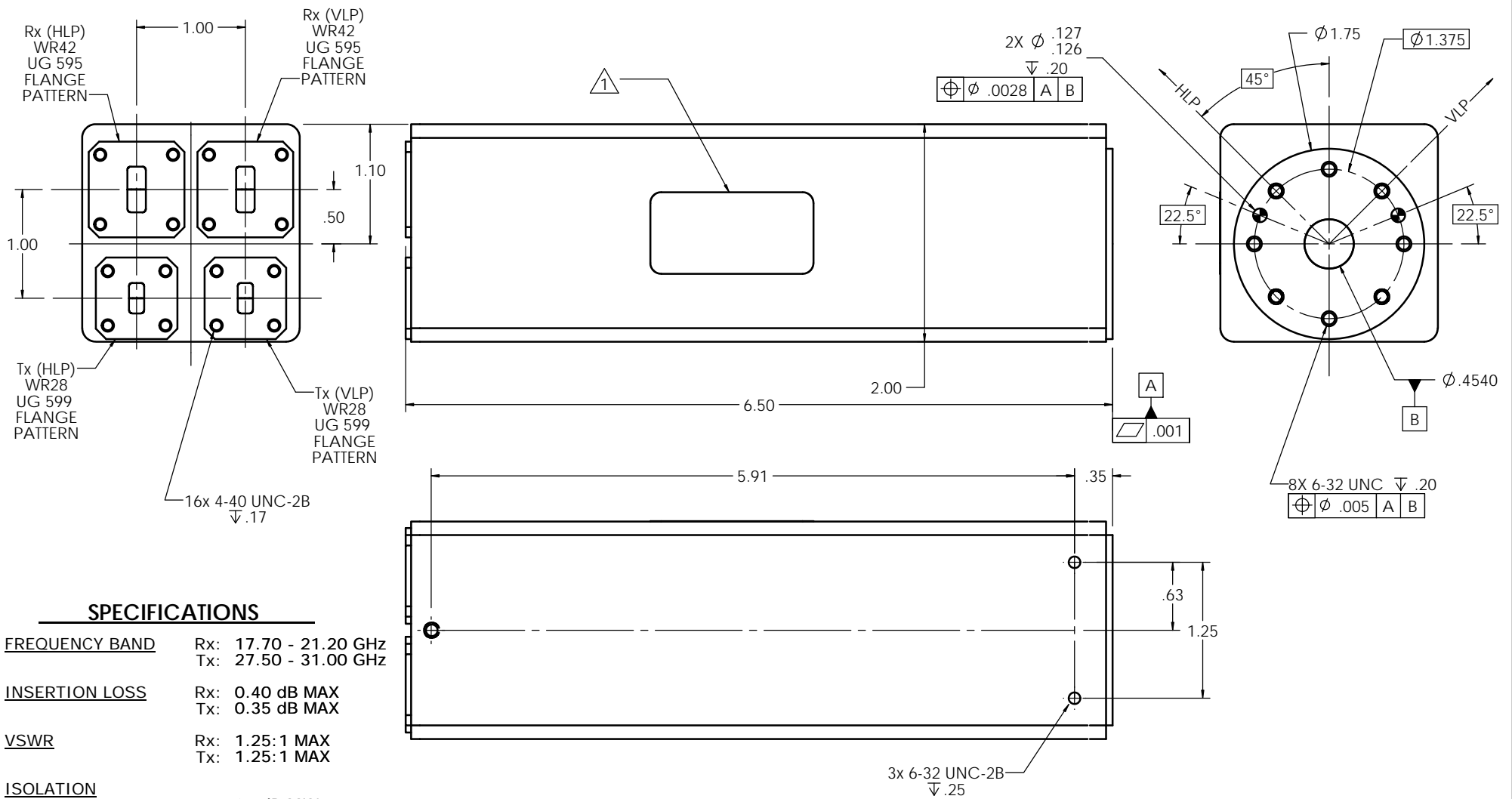


NOTES: UNLESS OTHERWISE SPECIFIED

① IDENTIFICATION PER QMSP 7550 APPROXIMATELY WHERE SHOWN

| REVISIONS | | | | |
|-----------|------|-------------|-----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | P3 | PRELIMINARY | 23 OCT 14 | |
| | P4 | PRELIMINARY | 29 OCT 14 | |
| | P5 | PRELIMINARY | 23 MAR 15 | |
| | P6 | PRELIMINARY | 24 JUN 15 | |



SPECIFICATIONS

FREQUENCY BAND Rx: 17.70 - 21.20 GHz
Tx: 27.50 - 31.00 GHz

INSERTION LOSS Rx: 0.40 dB MAX
Tx: 0.35 dB MAX

VSWR Rx: 1.25:1 MAX
Tx: 1.25:1 MAX

ISOLATION PORT TO PORT Tx/Rx: 85 dB MIN
Rx/Tx: 85 dB MIN
Rx/Rx: 35 dB MIN
Tx/Tx: 35 dB MIN

CROSSPOL Rx: 35 dB MIN
Tx: 35 dB MIN

POWER HANDLING : 500 kW CW PER Tx PORT (1 kW TOTAL)

WEIGHT : 2.50 Lbs APPROXIMATE

PRESSURE : SEALED TO 5.0 PSIG

FINISH : PAINT - WHITE COLOR
No. 17875 IAW FED-STD-595

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 $\sqrt{32}$ PROPRIETARY AND CONFIDENTIAL | APPROVALS DRAWN: TOVALIN CHECKED: ISSUED: ENGR: QA: | DATE 06 OCT 14 | SPACETIME ENGINEERING HARBOR CITY, CA 90710 TITLE 4-PORT, Ka-BAND, Tx/Rx, LP |
| | 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 | |
| MATERIAL | | SCALE: 3:2 | REV P6 |
| | | SHEET 1 of 1 | |