

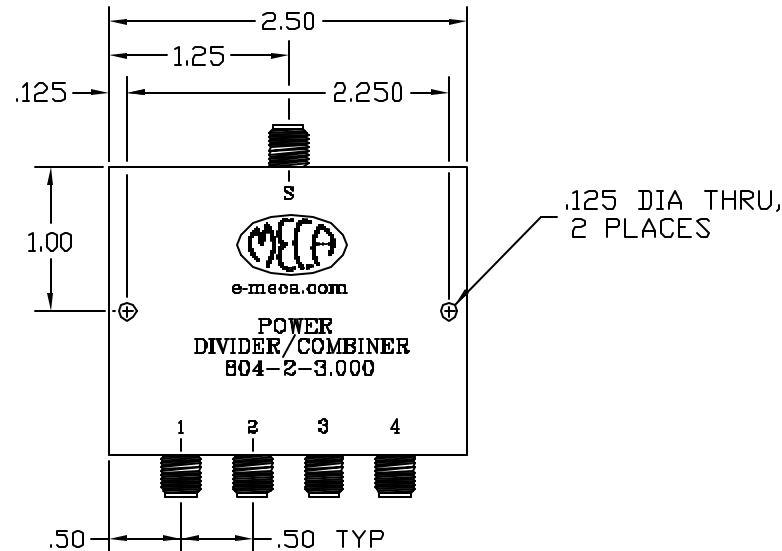
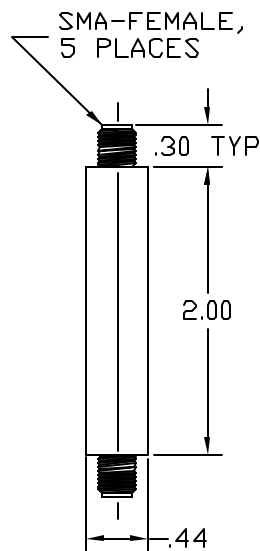
# ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (GHz): 2.000-4.000  
 IMPEDANCE (NOMINAL): 50 OHMS  
 VSWR: INPUT: 1.20:1 TYPICAL/1.30:1 MAX  
 OUTPUT: 1.10:1 TYPICAL/1.20:1 MAX  
 INSERTION LOSS (dB): 0.6 TYPICAL/0.8 MAX  
 AMPLITUDE BALANCE (MAX): 0.2 dB  
 ISOLATION (dB): 23 TYPICAL/20 MIN  
 PHASE BALANCE (MAX): 4 DEGREES  
 RF POWER (TOTAL MAX): 10 WATTS INPUT WITH LOAD  
 VSWR 1.2:1 OR BETTER

# MECHANICAL SPECIFICATIONS

\*CONNECTORS: SMA-FEMALE, STAINLESS STEEL, PASSIVATE  
 CONNECTOR PINS: BERYLLIUM COPPER, GOLD PLATE  
 HOUSING: ALUMINUM, YELLOW IRIDITE  
 INSULATORS: TEFLON<sup>®</sup>, VIRGIN ELECTRICAL GRADE  
 TEMPERATURE: -55°C TO +70°C

\*CONNECTORS MEET MATING CHARACTERISTICS OF MIL-STD-348A



|     |             |          |     |                        |                   |                                                                    |           |                                                                                       |                                                       |  |
|-----|-------------|----------|-----|------------------------|-------------------|--------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|-------------------------------------------------------|--|
| A   | REDRAWN     | 10/06/00 | MJD | MATERIAL:<br>SEE ABOVE |                   | UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES               |           |  | ELECTRONICS, INC.<br>DENVER, NEW JERSEY<br>e-meca.com |  |
|     |             |          |     | FINISH:<br>SEE ABOVE   |                   | TOLERANCES<br>2 PLACES: ± .02<br>3 PLACES: ± .010<br>ANGLES: ± --- |           |                                                                                       |                                                       |  |
|     |             |          |     | DRAWN:<br>LB           | DATE:<br>10/06/00 | TIR:                                                               |           | TITLE<br>4-WAY, IN-PHASE (0 DEGREE), POWER<br>DIVIDER/COMBINER, SMA-FEMALE            |                                                       |  |
|     |             |          |     | APPROVED:<br>MJD       | DATE:<br>10/06/00 | SCALE: 1 : 0.8                                                     | SIZE<br>A | CODE IDENT. NO.<br>22424                                                              | DRAWING NO.<br>804-2-3.000                            |  |
| LTR | DESCRIPTION | DATE     | APP | SHEET: 1 OF 3          |                   |                                                                    |           |                                                                                       |                                                       |  |

LTR

DESCRIPTION

DATE

APP