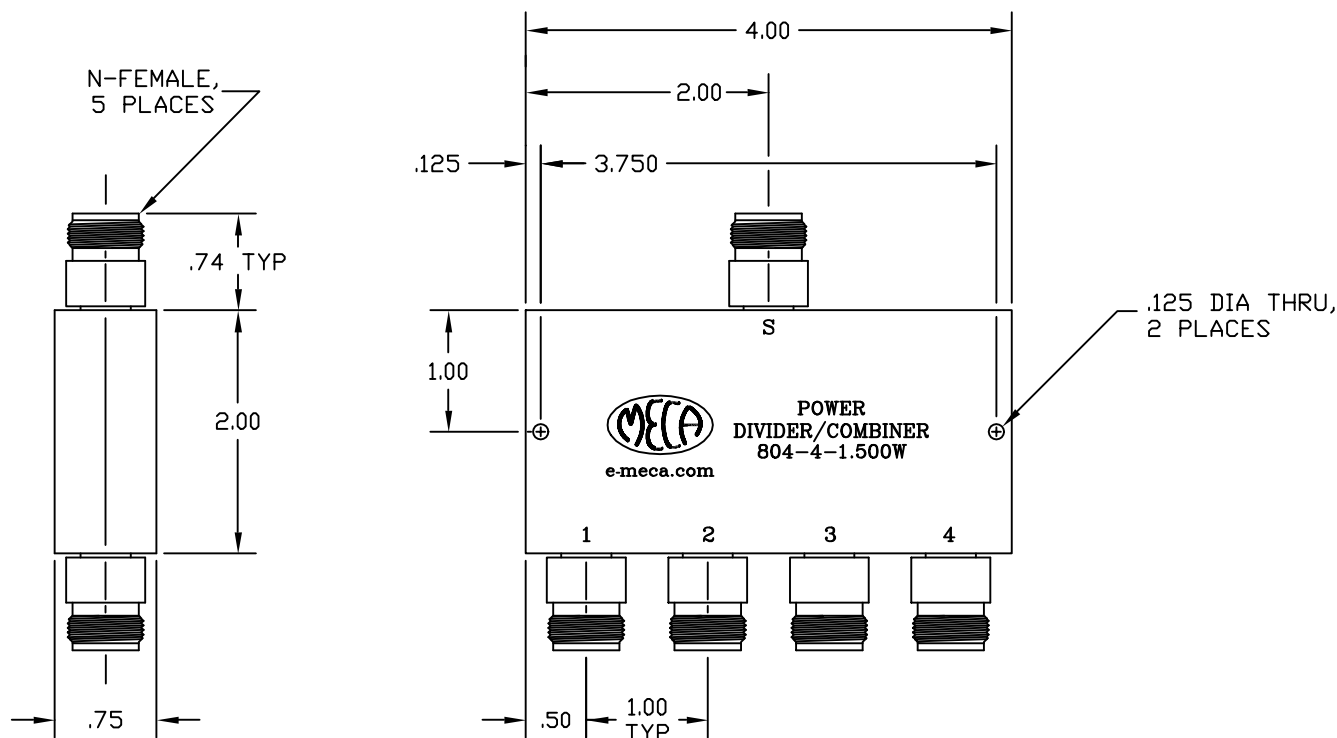


# ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (GHz): 0.800-2.200  
 IMPEDANCE (NOMINAL): 50 OHMS  
 VSWR: INPUT: 1.25:1 TYPICAL/1.35:1 MAX  
 OUTPUT: 1.15:1 TYPICAL/1.25:1 MAX  
 INSERTION LOSS (dB): 0.6 TYPICAL/0.8 MAX  
 AMPLITUDE BALANCE (MAX): 0.2 dB  
 ISOLATION (dB): 25 TYPICAL/20 MIN  
 PHASE BALANCE (MAX): 4 DEGREES  
 RF POWER (TOTAL MAX): <sup>Ⓐ</sup>20 WATTS INPUT WITH LOAD  
 VSWR 1.2:1 OR BETTER

# MECHANICAL SPECIFICATIONS

CONNECTORS: N-FEMALE, BRASS, NICKEL PLATE  
 CONNECTOR PINS: BERYLLIUM COPPER, GOLD PLATE  
 HOUSING: ALUMINUM, YELLOW IRIDITE  
 INSULATORS: TEFLON<sup>®</sup>, VIRGIN ELECTRICAL GRADE  
 TEMPERATURE: -55°C TO +70°C



|     |              |          |     |                        |                   |                                                                    |           |                                                                                                                                                         |                          |
|-----|--------------|----------|-----|------------------------|-------------------|--------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| A   | WAS 10 WATTS | 04/04/01 | MJD | MATERIAL:<br>SEE ABOVE |                   | UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES               |           | <div>ELECTRONICS, INC.<br/>DENVER, NEW JERSEY<br/>e-meca.com</div> |                          |
|     |              |          |     | FINISH:<br>SEE ABOVE   |                   | TOLERANCES<br>2 PLACES: ± .02<br>3 PLACES: ± .010<br>ANGLES: ± --- |           |                                                                                                                                                         |                          |
|     |              |          |     | DRAWN:<br>EMB          | DATE:<br>11/13/00 | TIR:                                                               |           | TITLE<br>4-WAY, IN-PHASE (0 DEGREE), POWER DIVIDER/COMBINER, N-FEMALE                                                                                   |                          |
|     |              |          |     | APPROVED:<br>MJD       | DATE:<br>11/13/00 | SCALE: NTS                                                         | SIZE<br>A |                                                                                                                                                         |                          |
| LTR | DESCRIPTION  | DATE     | APP |                        |                   | SHEET:                                                             |           |                                                                                                                                                         | CODE IDENT. NO.<br>22424 |