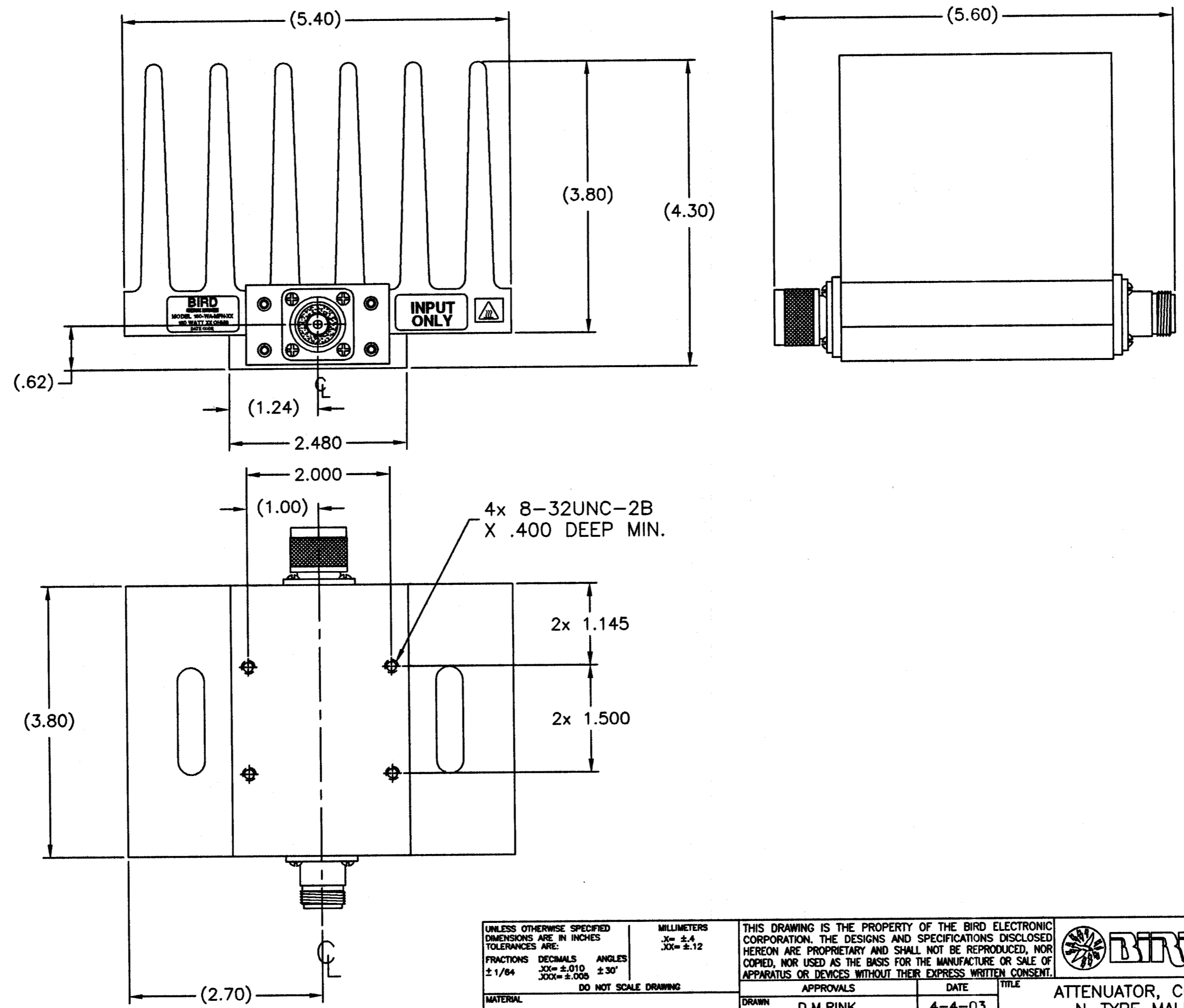


|           |     |                       |               |          |     |
|-----------|-----|-----------------------|---------------|----------|-----|
| REVISIONS |     | DWG. NO.              | 150-WA-MFN-XX | SHEET    | REV |
| ZONE      | REV | DESCRIPTION           | DATE          | APPROVED |     |
|           | A   | CONVERT TO BEC FORMAT | DMR 4-4-03    | MPU      |     |

**SPECIFICATIONS:**  
 IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY RANGE: DC TO 2.4GHz  
 VSWR: DC TO 1GHz AT 1.10:1 MAX.  
 1GHz TO 2.4GHz AT 1.25:1 MAX.  
 POWER RATING: 150 WATTS CW (UNI-DIRECTIONAL) AT 25°C AMBIENT  
 COOLING FIN: ALUMINUM, BLACK ANODIZED  
 COVER: ALUMINUM, BLACK ANODIZED  
 CONNECTORS: N-TYPE MALE/FEMALE, TRI-ALLOY PLATED  
 OPERATING POSITION: HORIZONTAL (FINS UP) OR VERTICALLY  
 NOMINAL SIZE: APPROX. 5.60" L X 5.40" W X 4.30" H  
 WEIGHT: APPROX. 2.5 LBS



**NOTE:**  
 FOR VALUES NOT LISTED, REFER TO THE NEXT HIGHER ATTENUATION LEVEL FOR SPECIFICATIONS. FOR ATTENUATION VALUES GREATER THAN THE HIGHEST LISTED ATTENUATION VALUE, REFER TO THE VALUE 1/2 THE DESIRED ATTENUATION LEVEL, THEN DOUBLE THE LISTED SPECIFICATION VALUES, UNLESS OTHERWISE SPECIFIED.

XX = DASH NUMBER (dB VALUE)

|     |    |         |         |
|-----|----|---------|---------|
| -30 | 30 | ±0.8 dB | ±1.3 dB |
| -20 | 20 | ±0.5 dB | ±1.0 dB |
| -10 | 10 | ±0.4 dB | ±0.8 dB |
| -06 | 6  | ±0.4 dB | ±0.6 dB |
| -03 | 3  | ±0.3 dB | ±0.5 dB |
| -02 | 2  | ±0.3 dB | ±0.5 dB |
| -01 | 1  | ±0.3 dB | ±0.5 dB |

| DASH NO. | dB ATTEN. | DC - 1GHz ATTENUATOR ACCURACY ±dB | 1 - 2.4GHz ATTENUATOR ACCURACY ±dB |
|----------|-----------|-----------------------------------|------------------------------------|
|----------|-----------|-----------------------------------|------------------------------------|

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

|           |             |        |
|-----------|-------------|--------|
| FRACTIONS | DECIMALS    | ANGLES |
| ± 1/84    | .XX ± .010  | ± 30°  |
|           | .XXX ± .005 |        |

DO NOT SCALE DRAWING

MILLIMETERS  
 .X = ±.4  
 .XX = ±.12

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|          |              |         |  |
|----------|--------------|---------|--|
| MATERIAL | APPROVALS    | DATE    | TITLE  |
|          | D.M.RINK     | 4-4-03  | ATTENUATOR, CONVECTION COOLED N-TYPE MALE/FEMALE, 150W |
| FINISH   | CHECKED      |         |  |
|          | APPROVED MPU | 6-15-03 |  |

|       |           |               |     |
|-------|-----------|---------------|-----|
| SIZE  | FSCM NO.  | DWG. NO.      | REV |
| C     | 70998     | 150-WA-MFN-XX | A   |
| SCALE | COMM CODE | SHEET         |     |
| 1:1   | AT1       | 1 OF 1        |     |

Logo: BIRD Electronic Corporation Cleveland (Solon) Ohio USA