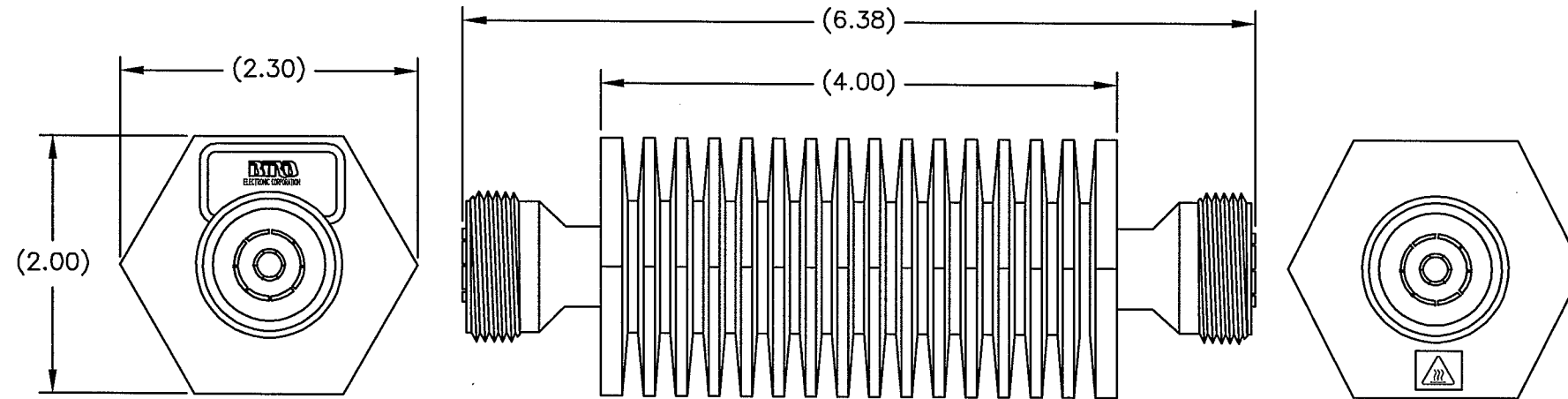


DWG NO. 50-A-FFE-XX  
 SHEET 1  
 REV A

**SPECIFICATIONS:**  
 POWER RATING: 50 W MAX. @ 40°C.  
                   60 W MAX. @ 25°C.  
 FREQUENCY RANGE & VSWR:  
   DC TO 1GHz AT 1.10:1 MAX.  
   1GHz TO 2.4GHz AT 1.25:1 MAX.  
 IMPEDANCE: 50 OHMS, NOMINAL  
 AMBIENT TEMPERATURE RANGE: -40°C TO +40°C  
 CONNECTORS: IEC 7/16 FEMALES, TRI-ALLOY PLATED  
 OPERATING POSITION: ANY (CONVECTION COOLED)  
 FINISH: BLACK ANODIZED  
 NOMINAL SIZE: APPROX. 6.38" L X 2.30"  
 WEIGHT: APPROX. 1.0 LBS

| REVISIONS |     |             |         |            |
|-----------|-----|-------------|---------|------------|
| ZONE      | REV | DESCRIPTION | DATE    | APPROVED   |
|           | A   | ECN #0193   | 4-14-98 | <i>MRA</i> |




**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               | 1 - 2.4GHz |
|          |           | ATTENUATOR ACCURACY ±dB |            |

DIMENSIONS HEREON ARE FOR CUSTOMER CONVENIENCE AND REFERENCE ONLY. TOLERANCE TO BE APPLIED ONLY WHERE INDIVIDUALLY STATED ON THE RESPECTIVE DIMENSION. -DO NOT SCALE DRAWING-

|  |                                       |  |                                       |   |  |
|--|---------------------------------------|--|---------------------------------------|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:<br>FRACTIONS DECIMALS ANGLES<br>$\pm 1/64$ .XX = ±.010 ± 30'<br>.XXX = ±.005 | MILLIMETERS<br>.X = ±.4<br>.XX = ±.12 | THIS DRAWING IS THE PROPERTY OF THE BIRD ELECTRONIC CORPORATION. THE DESIGNS AND SPECIFICATIONS DISCLOSED HEREON ARE PROPRIETARY AND SHALL NOT BE REPRODUCED, NOR COPIED, NOR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT THEIR EXPRESS WRITTEN CONSENT. |                                       |   |  |
|  |                                       | APPROVALS<br>DRAWN D.M.RINK<br>CHECKED<br>APPROVED <i>MARV</i>   |                                       | DATE<br>6-3-03<br>6-23-03   |  |
| MATERIAL<br><br>FINISH   |                                       | TITLE<br>ATTENUATOR, CONVECTION COOLED<br>IEC 7/16 FEMALE/FEMALE, 50W  |                                       |  |  |
|  |                                       | SIZE B<br>FSCM NO. 70998<br>SCALE 1:1  | DWG. NO. 50-A-FFE-XX<br>COMM CODE AT1 | REV A<br>SHEET 1 OF 1   |  |