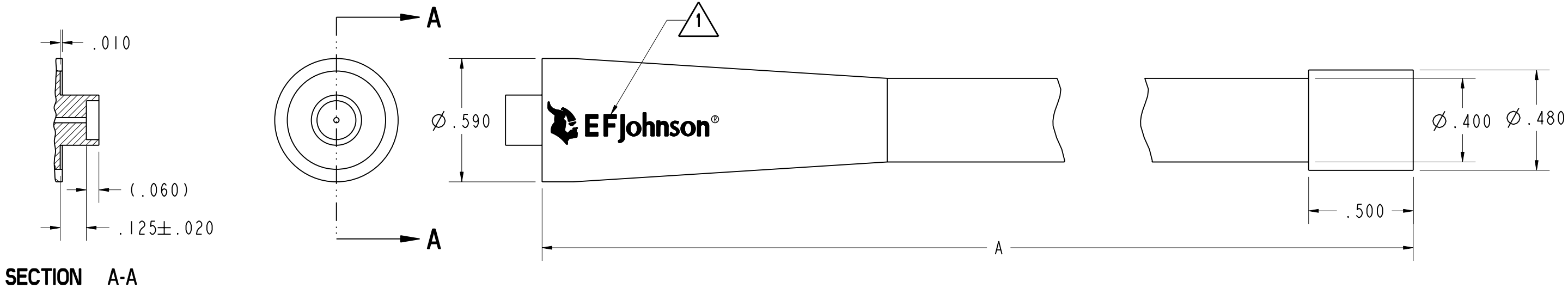


## EF Johnson FCC ID: ATH2424110 Antenna Specifications

| Description     | Manufacturer | Frequency Range | Part #       | Gain  |
|-----------------|--------------|-----------------|--------------|-------|
| Helical Antenna | EF Johnson   | 136-174 MHz     | 501-0017-100 | 0 dBd |
| Helical Antenna | EF Johnson   | 136-151 MHz     | 501-0017-101 | 0 dBd |
| Helical Antenna | EF Johnson   | 151-166 MHz     | 501-0017-103 | 0 dBd |
| Helical Antenna | EF Johnson   | 166-174 MHz     | 501-0017-105 | 0 dBd |

Specification sheet for the 501-0017-101, 501-0017-103 and 501-0017-105 follow. There is no specification sheet for the 501-0017-100, but the gains of all antennas are the same.

| PART NO.     | RADIO FREQUENCY | CORE COLOR | LENGTH "A"       | GALTRONICS P/N | <div>B-501-0017-101/105</div> <div>REVISIONS</div> <div>ENGINEERING RELEASED</div> <div><div>1</div><div></div><div>CJM</div><div></div><div></div><div></div><div></div><div></div><div>ECO:</div><div>DATE</div></div> |  |  |  |  |
|--------------|-----------------|------------|------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| 501-0017-101 | 136MHz - 151MHz | YELLOW     | 8.00 APPROXIMATE | 020082097-2169 |                                                                                                                                                                                                                          |  |  |  |  |
| 501-0017-103 | 151MHz - 166MHz | BLACK      | 7.25 APPROXIMATE | 020082079-2169 |                                                                                                                                                                                                                          |  |  |  |  |
| 501-0017-105 | 166MHz -174MHz  | BLUE       | 6.50 APPROXIMATE | 020082092-2169 |                                                                                                                                                                                                                          |  |  |  |  |



- NOTES:
- 1 E. F. JOHNSON LOGO SIZE: .23 HIGH BY .82 LONG (OPTIONAL).

| THIS DRAWING TO BE INTERPRETED PER ANSI Y14.5M |  |                          |   |                 | COMPANY CONFIDENTIAL                                                                                                                             |  |  |
|------------------------------------------------|--|--------------------------|---|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| TOLERANCE UNLESS OTHERWISE SPECIFIED           |  | DRAWN BY<br>C. MADSEN    |   | DATE<br>4-24-02 | <div> EF Johnson®</div> <div>Transcript International, Inc.<br/>4800 NW 1st St   299 Johnson Ave.<br/>Lincoln, NE 68521   Waseca, MN 56093</div> |  |  |
|                                                |  | DESIGNED BY<br>C. MADSEN |   | DATE<br>4-24-02 |                                                                                                                                                  |  |  |
| .XX±                                           |  | INCH                     | ~ | ~               | TITLE: VHF ANTENNAS 5100                                                                                                                         |  |  |
| .XXX±                                          |  | INCH                     | ~ | ~               |                                                                                                                                                  |  |  |
| MATL                                           |  | CHECKED BY               |   | DATE            | DRAWING NO. B-501-0017-101/105                                                                                                                   |  |  |
| ~                                              |  | DRAWING FILE REFERENCE:  |   | 5010017101.drw  |                                                                                                                                                  |  |  |
| FINISH                                         |  | MODEL FILE REFERENCE:    |   | 5010017101.prj  | SCALE: 2/1 U/M: INCH SHEET 1 OF 1                                                                                                                |  |  |
| ~                                              |  | CAD: PRO-ENGINEER        |   |                 |                                                                                                                                                  |  |  |