

NOTE A:
 1) WRAP ONE TURN OF ITEM #4
 AROUND COILS ONLY.
 2) WRAP AN ADDITIONAL LAYER OF
 ITEM #4 AROUND COILS AND
 COVERED EXTENSION WIRES AS
 SHOWN. DO NOT ALLOW ANY WIRE
 TO WIRE CONTACT BETWEEN COILS
 AND EXTENSION WIRES.

NOTE B: TRIM LEAD WIRES TO .75".
 TIN ENDS TO .090".

NOTE C: COAT ROD AFTER WINDING
 WITH DOLPH AC43 VARNISH TO
 ENSURE NO MOVEMENT OF COILS.

ITEM	PART NO.	QTY.	DESCRIPTION
1	RX-475-9000F-M20	1	NATIONAL MAGNETICS P/N RX-475-9000F-M20 .475"X9" FERRITE ROD
2	N/A	A/R	APPROXIMATELY 32 EQUALLY SPACED TURNS OF 18AWG COATED MAGNET WIRE. (TURNS MAY BE ADJUSTED TO MEET INDUCTANCE)
3	52355k11	A/R	MCMASTER P/N 52355k11 TEFLON FEP TUBING, 1/16"ID X 1/8" OD OR EQUIVALENT HEAT SHRINK
4	N/A	A/R	1/4" WIDE MYLAR TAPE

NOTE A
 4X 4

NOMINAL INDUCTANCE
 = 80uH +/- 2uH

NOTE C

1.25 +.05 / -.01
 Gap from first coil to end
 of ferrite rod. Both sides

2

3

NOTE B

A	06-15-07	Initial Production Release.	REV.	DATE	DESCRIPTION	REV.	DATE
TOLERANCES							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
DECIMAL FRACTIONS	± .030	1-360	1-360	1-360	APP'D: JP	TITLE: EX TRANSMITTER ANTENNA	
XX	± .010	1-360	1-360	1-360	DWNR: J		
XXX	± .005	1-360	1-360	1-360	ENGR: E		
					DRAWING NUMBER: 175-4630-00	SHT: 1	REV: A
						SCALE: NINE	DF: A

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 SUPPLIED ON THE UNDERSTANDING THAT
 IT IS NOT SHOWN TO OTHER PERSONS
 OR COMPANIES WITHOUT THE WRITTEN
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