

# RADIAL 10MM VARIABLE SHIELDED / UNSHIELDED COILS

## AIRV-142 SERIES

### FEATURES

- Precision molded polypropylene
- Constant winding pitch
- Excellent Q values
- Long term stability
- High reliability

### OPTIONS

- Packaging: Bulk is standard
- Tolerance: As specified
- Core: Carbonyl "J" is standard optional Ferrite, Brass Alloy, Aluminum & Carbonyl "E"

### COMMON APPLICATIONS

- Telecommunication Equipment
- RF Circuits
- Radios
- Televisions
- General Electronic Applications where tunable inductance is required

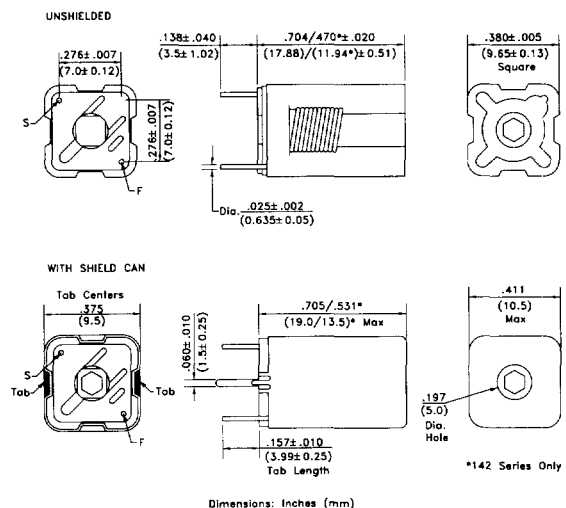
### ELECTRICAL CHARACTERISTICS:

Part Number	Turns	L Min $\mu\text{H}$	L Nom $\mu\text{H}$	L Max $\mu\text{H}$	Min Q @ L Nom	Part Number	Turns	L Min $\mu\text{H}$	L Nom $\mu\text{H}$	L Max $\mu\text{H}$	Min Q @ L Nom
<b>SHIELDED</b>						<b>UNSHIELDED</b>					
AIRV-142-1.5T-JS	1.5	0.058	0.059	0.061	82 @ 40 MHZ	AIRV-142-1.5T-J	1.5	0.063	0.065	0.068	115 @ 40 MHZ
AIRV-142-2.5T-JS	2.5	0.084	0.086	0.089	83 @ 40 MHZ	AIRV-142-2.5T-J	2.5	0.093	0.100	0.107	118 @ 40 MHZ
AIRV-142-3.5T-JS	3.5	0.115	0.120	0.121	85 @ 40 MHZ	AIRV-142-3.5T-J	3.5	0.133	0.145	0.157	120 @ 40 MHZ
AIRV-142-4.5T-JS	4.5	0.147	0.156	0.160	88 @ 40 MHZ	AIRV-142-4.5T-J	4.5	0.174	0.196	0.218	125 @ 40 MHZ
AIRV-142-5.5T-JS	5.5	0.182	0.197	0.205	94 @ 40 MHZ	AIRV-142-5.5T-J	5.5	0.226	0.256	0.287	122 @ 40 MHZ
AIRV-142-6.5T-JS	6.5	0.220	0.240	0.248	92 @ 40 MHZ	AIRV-142-6.5T-J	6.5	0.275	0.315	0.355	112 @ 40 MHZ
AIRV-142-7.5T-JS	7.5	0.259	0.280	0.290	90 @ 40 MHZ	AIRV-142-7.5T-J	7.5	0.330	0.378	0.427	112 @ 40 MHZ
AIRV-142-8.5T-JS	8.5	0.299	0.322	0.337	85 @ 40 MHZ	AIRV-142-8.5T-J	8.5	0.396	0.450	0.504	106 @ 40 MHZ
AIRV-142-9.5T-JS	9.5	0.338	0.363	0.377	88 @ 40 MHZ	AIRV-142-9.5T-J	9.5	0.473	0.520	0.567	110 @ 40 MHZ
AIRV-142-10.5T-JS	10.5	0.382	0.410	0.422	82 @ 40 MHZ	AIRV-142-10.5T-J	10.5	0.550	0.592	0.635	104 @ 40 MHZ

### TECHNICAL INFORMATION:

- Testing: Boonton 260-A Q Meter or equivalent
- Inductance: Nominal measured @ 40 MHz minimum measured with core halfway out of coil form
- Winding: Close wound
- Core Material: Carbonyl "J" is used for electrical data reference
- Temperature range: -40°C to + 85°C

### PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)