



RADIAL 7MM VARIABLE SHIELDED / UNSHIELDED COILS

AIRV-146/150 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 μ H	L Nom μ H	L Max μ H	Min Q @ L Nom	Part Number	Turns	L Min μ H	L Nom μ H	L Max μ H	Min Q @ L Nom
SHIELDED						UN SHIELDED					
AIRV-150-1.5T-JS	1.5	0.435	0.045	0.046	72 @ 50 MHZ	AIRV-150-1.5T-J	1.5	0.046	0.049	0.052	88 @ 50 MHZ
AIRV-150-2.5T-JS	2.5	0.056	0.060	0.064	80 @ 50 MHZ	AIRV-150-2.5T-J	2.5	0.062	0.070	0.078	100 @ 50 MHZ
AIRV-150-3.5T-JS	3.5	0.071	0.076	0.081	84 @ 50 MHZ	AIRV-150-3.5T-J	3.5	0.082	0.098	0.114	108 @ 50 MHZ
AIRV-150-4.5T-JS	4.5	0.086	0.095	0.104	85 @ 50 MHZ	AIRV-150-4.5T-J	4.5	0.108	0.130	0.154	114 @ 50 MHZ
AIRV-150-5.5T-JS	5.5	0.107	0.115	0.123	84 @ 50 MHZ	AIRV-150-5.5T-J	5.5	0.137	0.165	0.193	114 @ 50 MHZ
AIRV-150-6.5T-JS	6.5	0.125	0.134	0.143	82 @ 50 MHZ	AIRV-150-6.5T-J	6.5	0.176	0.205	0.234	112 @ 50 MHZ
AIRV-150-7.5T-JS	7.5	0.150	0.156	0.162	80 @ 50 MHZ	AIRV-150-7.5T-J	7.5	0.222	0.245	0.268	108 @ 50 MHZ
AIRV-146-1.5T-JS	1.5	0.045	0.046	0.047	76 @ 50 MHZ	AIRV-146-1.5T-J	1.5	0.047	0.050	0.053	90 @ 50 MHZ
AIRV-146-2.5T-JS	2.5	0.062	0.065	0.068	78 @ 50 MHZ	AIRV-146-2.5T-J	2.5	0.068	0.078	0.088	100 @ 50 MHZ
AIRV-146-3.56T-JS	3.5	0.080	0.085	0.090	78 @ 50 MHZ	AIRV-146-3.5T-J	3.5	0.090	0.108	0.126	100 @ 50 MHZ
AIRV-146-4.5T-JS	4.5	0.100	0.110	0.120	78 @ 50 MHZ	AIRV-146-4.5T-J	4.5	0.117	0.146	0.175	94 @ 50 MHZ
AIRV-146-5.5T-JS	5.5	0.120	0.135	0.150	76 @ 50 MHZ	AIRV-146-5.5T-J	5.5	0.148	0.190	0.232	88 @ 50 MHZ
AIRV-146-6.5T-JS	6.5	0.142	0.163	0.184	72 @ 50 MHZ	AIRV-146-6.5T-J	6.5	0.188	0.240	0.292	78 @ 50 MHZ
AIRV-146-7.5T-JS	7.5	0.172	0.194	0.216	68 @ 50 MHZ	AIRV-146-7.5T-J	7.5	0.231	0.292	0.350	72 @ 50 MHZ
AIRV-146-8.5T-JS	8.5	0.200	0.224	0.248	66 @ 50 MHZ	AIRV-146-8.5T-J	8.5	0.272	0.342	0.412	68 @ 50 MHZ
AIRV-146-9.5T-JS	9.56	0.234	0.260	0.284	60 @ 50 MHZ	AIRV-146-9.5T-J	9.5	0.330	0.405	0.480	66 @ 40 MHZ
AIRV-146-10.5T-JS	10.5	0.260	0.288	0.315	56 @ 50 MHZ	AIRV-146-10.5T-J	10.5	0.390	0.465	0.540	60 @ 40 MHZ

TECHNICAL INFORMATION:

- Testing: Boonton 260-A Q Meter or equivalent
Inductance: Nominal measured @ 50 MHz
minimum measured with core halfway out of coil form
- Winding: -146 is close wound/ -150 is space wound
- Core Material: Carbonyl "J" is used for electrical data reference
- Core Length: .25"
- Temperature range: -40°C to + 85°C

PHYSICAL CHARACTERISTICS:

