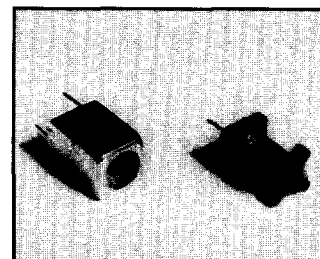


RADIAL 10MM VARIABLE SHIELDED / UNSHIELDED COILS

AIRV-143/144 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

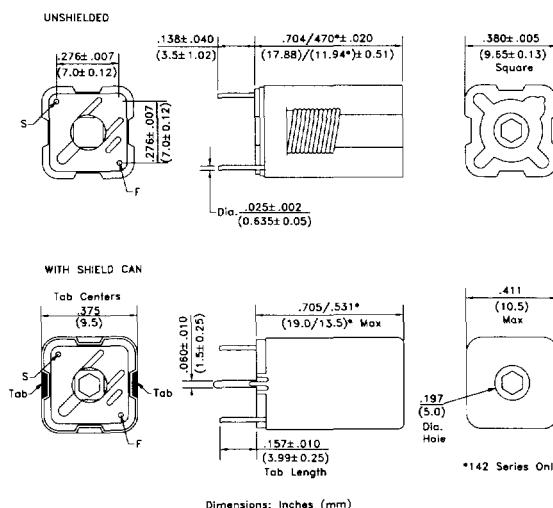
ELECTRICAL CHARACTERISTICS:

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						UNSHIELDED					
AIRV-144-1.5T-JS	1.5	0.052	0.530	0.054	97 @ 40 MHZ	AIRV-144-1.5T-J	1.5	0.056	0.59	0.620	140 @ 40 MHZ
AIRV-144-2.5T-JS	2.5	0.070	0.740	0.078	98 @ 40 MHZ	AIRV-144-2.5T-J	2.5	0.079	0.88	0.098	145 @ 40 MHZ
AIRV-144-3.5T-JS	3.5	0.092	0.099	0.106	98 @ 40 MHZ	AIRV-144-3.5T-J	3.5	0.104	0.123	0.142	147 @ 40 MHZ
AIRV-144-4.5T-JS	4.5	0.111	0.122	0.133	100 @ 40 MHZ	AIRV-144-4.5T-J	4.5	0.132	0.164	0.195	150 @ 40 MHZ
AIRV-144-5.5T-JS	5.5	0.132	0.149	0.165	101 @ 40 MHZ	AIRV-144-5.5T-J	5.5	0.162	0.207	0.252	154 @ 40 MHZ
AIRV-144-6.5T-JS	6.5	0.154	0.175	0.196	106 @ 40 MHZ	AIRV-144-6.5T-J	6.5	0.193	0.250	0.306	154 @ 40 MHZ
AIRV-144-7.5T-JS	7.5	0.176	0.200	0.223	104 @ 40 MHZ	AIRV-144-7.5T-J	7.5	0.240	0.298	0.356	158 @ 40 MHZ
AIRV-144-8.5T-JS	8.5	0.202	0.226	0.250	108 @ 40 MHZ	AIRV-144-8.5T-J	8.5	0.283	0.344	0.405	160 @ 40 MHZ
AIRV-144-9.5T-JS	9.5	0.239	0.256	0.274	108 @ 40 MHZ	AIRV-144-9.5T-J	9.5	0.328	0.387	0.446	162 @ 40 MHZ
AIRV-144-10.5T-JS	10.5	0.355	0.416	0.477	82 @ 40 MHZ	AIRV-144-10.5T-J	10.5	0.391	0.442	0.493	90 @ 40 MHZ
AIRV-144-9.5T-JS	9.5	0.315	0.369	0.423	80 @ 40 MHZ	AIRV-143-9.5T-J	9.5	0.404	0.550	0.693	86 @ 40 MHZ
AIRV-143-10.5T-JS	10.5	0.355	0.416	0.477	82 @ 40 MHZ	AIRV-143-10.5T-J	10.5	0.460	0.624	0.788	90 @ 40 MHZ
AIRV-143-11.5T-JS	11.5	0.396	0.468	0.540	78 @ 40 MHZ	AIRV-143-11.5T-J	11.5	0.515	0.708	0.900	78 @ 40 MHZ
AIRV-143-12.5T-JS	12.5	0.433	0.509	0.585	80 @ 40 MHZ	AIRV-143-12.5T-J	12.5	0.578	0.764	0.950	84 @ 40 MHZ
AIRV-143-13.5T-JS	13.5	0.475	0.556	0.637	80 @ 40 MHZ	AIRV-143-13.5T-J	13.5	0.673	0.845	1.020	84 @ 40 MHZ
AIRV-143-14.5T-JS	14.5	0.515	0.604	0.693	78 @ 40 MHZ	AIRV-143-14.5T-J	14.5	0.726	0.908	1.090	82 @ 40 MHZ
AIRV-143-15.5T-JS	15.5	0.583	0.660	0.738	80 @ 40 MHZ	AIRV-143-15.5T-J	15.5	0.803	0.978	1.150	90 @ 40 MHZ
AIRV-143-16.5T-JS	16.5	0.638	0.720	0.801	76 @ 40 MHZ	AIRV-143-16.5T-J	16.5	0.891	1.080	1.270	74 @ 40 MHZ
AIRV-143-17.5T-JS	17.5	0.693	0.770	0.846	76 @ 40 MHZ	AIRV-143-17.5T-J	17.5	1.010	1.180	1.340	74 @ 40 MHZ
AIRV-143-18.5T-JS	18.5	0.754	0.814	0.874	82 @ 40 MHZ	AIRV-143-18.5T-J	18.5	1.100	1.250	1.400	92 @ 40 MHZ
AIRV-143-19.5T-JS	19.5	0.792	0.846	0.900	80 @ 40 MHZ	AIRV-143-19.5T-J	19.5	1.200	1.320	1.440	98 @ 40 MHZ
AIRV-143-20.5T-JS	20.5	0.847	0.896	0.945	74 @ 40 MHZ	AIRV-143-20.5T-J	20.5	1.300	1.400	1.500	92 @ 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: -143 is close wound/ -144 is space wound
- Core Material: Carbonyl "J" is used for electrical data reference
- Core Length .375"
- Temperature range: -40°C to + 85°C

PHYSICAL CHARACTERISTICS:



125 Columbia, Aliso Viejo, CA 92656 • (714) 448-7070 • Fax (714) 448-8484