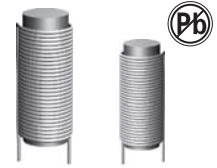


# THROUGH-HOLE RADIAL ROD CORE POWER INDUCTORS FARCH-110A&B SERIES



## FEATURES:

High Saturation Material  
Polyolefin Shrink Tubing  
Low DC Resistance  
High Reliability Low cost

## OPTIONS:

Bulk Packaging is standard  
Custom Design Available

## COMMON APPLICATIONS:

Switching Regulators  
RFI Suppression Filters  
SCR and TRIAC Controls  
Automotive Systems

## STANDARD SPECIFICATIONS

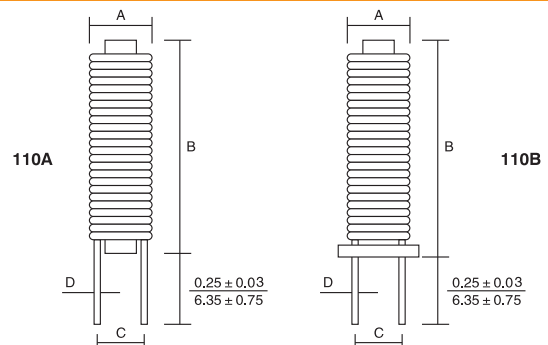
Part Number FARCH-110A&B	L ( $\mu$ H)	IDC (A)	RDC ( $\Omega$ )Max	A Max	B Max	C $\pm 0.015/0.3$	D $\pm 0.004/0.1$
FARCH-110A-1R0L-25	1	25	0.002	0.60/15.2	0.68/17.3	0.42/10.7	0.067/1.70
FARCH-110A-1R0L-10	1	10	0.002	0.50/12.7	0.75/19.1	0.42/10.7	0.055/1.40
FARCH-110A-3R3L-10	3.3	10	0.005	0.5/12.7	1.0/25.4	0.42/10.7	0.055/1.40
FARCH-110A-4R7L-03	4.7	3	0.021	0.51/13.0	0.75/19.1	0.42/10.7	0.035/0.90
FARCH-110A-4R7L-05	4.7	5	0.012	0.50/12.7	0.75/19.1	0.42/10.7	0.043/1.10
FARCH-110A-4R7L-10	4.7	10	0.012	0.50/12.7	1.0/25.4	0.42/10.7	0.055/1.40
FARCH-110A-4R7L-20	4.7	20	0.004	0.53/13.5	1.2/30.5	0.42/10.7	0.067/1.70
FARCH-110A-100K-03	10	3	0.023	0.50/12.7	0.75/19.1	0.42/10.7	0.035/0.90
FARCH-110A-100K-05	10	5	0.017	0.50/12.7	0.75/19.1	0.42/10.7	0.043/1.10
FARCH-110A-100K-10	10	10	0.015	0.52/13.2	1.0/25.4	0.42/10.7	0.055/1.40
FARCH-110A-100K-20	10	20	0.006	0.75/19.1	1.8/45.7	0.60/15.2	0.075/1.90
FARCH-110A-150K-03	15	3	0.025	0.50/12.7	1.0/25.4	0.42/10.7	0.035/0.90
FARCH-110A-150K-10	15	10	0.020	0.52/13.2	1.0/25.4	0.42/10.7	0.055/1.40
FARCH-110A-220K-03	22	3	0.035	0.50/12.7	1.0/25.4	0.42/10.7	0.035/0.90
FARCH-110A-220K-05	22	5	0.023	0.50/12.7	1.0/25.4	0.42/10.7	0.043/1.10
FARCH-110A-220K-10	22	10	0.015	0.66/16.8	1.3/33.0	0.42/10.7	0.059/1.50
FARCH-110A-270K-05	27	5	0.024	0.50/12.7	1.0/25.4	0.49/12.5	0.043/1.10
FARCH-110A-330K-12	33	12	0.017	0.70/17.8	1.3/33.0	0.55/14.0	0.059/1.50
FARCH-110A-470K-03	47	3	0.050	0.55/14.0	1.0/25.4	0.42/10.7	0.035/0.90
FARCH-110A-470K-05	47	5	0.035	0.65/16.5	1.1/28.0	0.70/17.8	0.043/1.10
FARCH-110A-470K-10	47	10	0.022	0.85/21.8	1.3/33.0	0.70/17.8	0.059/1.50
FARCH-110A-820K-03	82	3	0.110	0.50/12.7	0.65/16.5	0.375/9.5	0.028/0.70
FARCH-110A-101K-01	100	1	0.190	0.40/10.2	0.90/22.9	0.30/7.6	0.020/0.50
FARCH-110A-101K-03	100	3	0.072	0.55/14.0	1.2/30.5	0.70/17.8	0.035/0.90
FARCH-110A-101K-05	100	5	0.055	0.65/16.5	1.3/33.0	0.70/17.8	0.043/1.10
FARCH-110A-151K-03	150	3	0.140	0.60/15.2	1.2/30.5	0.43/10.9	0.028/0.70
FARCH-110A-151K-05	150	5	0.065	0.65/16.5	1.3/33.0	0.70/17.8	0.043/1.10
FARCH-110A-181K-05	180	5	0.110	0.65/16.5	1.3/33.0	0.70/17.8	0.043/1.10
FARCH-110A-221K-03	220	3	0.210	0.55/14.0	1.2/30.5	0.42/10.7	0.025/0.63
FARCH-110A-271K-04	270	4	0.250	0.95/24	0.72/18.3	0.71/18	0.030/0.75
FARCH-110A-271K-10	270	10	0.160	1.1/28	1.0/25.4	0.72/18.3	0.039/1.00
FARCH-110A-391K-03	390	3	0.250	1.1/28	1.0/25.4	0.72/18.3	0.035/0.90
FARCH-110A-391K-05	390	5	0.190	1.1/28	1.0/25.4	0.72/18.3	0.039/1.00

Note:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION

Testing: [Equivalent acceptable] Inductance:HP4284A  
RDC:QuadTech 1880 Milliohm meter  
DC current is decreased 10% against its initial value  
Operating temperature: -40°C to +105°C  
Storage Temperature: -40°C to +105°C  
Solder methods: Vapor Phase,Infrared Reflow  
Resistance to soldering heat:260°C for 10 seconds  
Solvent resistance: Conforms to MIL-STD-202E  
Marking: Inductance & Tolerance  
Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS



All Dimension in inches/mm