

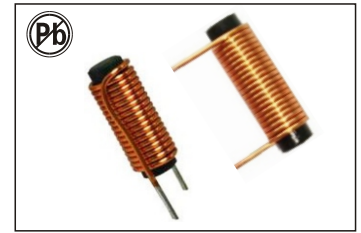
# ◆ Rod choke coil inductors ROD series

## FEATURES:

- High current capability
- Very reliable mechanical design
- Very high magnetic saturation
- Operating temperature up to +150°C  
(higher temperatures depending on mission profile)

## COMMON APPLICATIONS:

- Switching regulators
- Motors
- Power amplifiers
- Power supplies
- Broadband filtering
- Typical in VHF



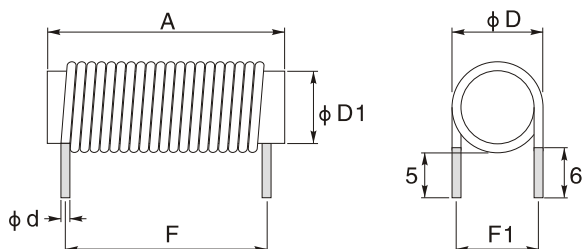
## ELECTRICAL CHARACTERISTICS:

Part Number	L $\mu$ H	Test Freq MHz	DCR m $\Omega$ Max	I <sub>rms</sub> Max A	I <sub>sat</sub> Max A	Dimensions					
						$\phi$ d	$\phi$ D <sub>1</sub>	(A)	$\phi$ D	F	F <sub>1</sub>
ROD0312-1R8M	1.8	1	8	2.5	10.0	0.67	3.0	12	4.6	8.8	3.7
ROD0320-4R7M	4.7	1	12	2.5	5.5	0.67	3.0	20	4.6	13.5	3.7
ROD0322-7R0M	7.0	1	16	1.9	4.6	0.63	3.3	22	4.8	14.5	4.0
ROD0322-9R0M	9.0	1	20	1.0	3.7	0.63	3.3	22	4.8	17.5	4.0
ROD0420-1R8M	1.8	1	3	10	15.0	1.32	4.0	20	6.9	15.9	5.4
ROD0425-4R7M	4.7	1	7	6	8.2	1.00	4.0	25	6.3	18.4	5.1
ROD0430-7R0M	7.0	1	8	5	6.5	0.95	4.0	30	6.2	19.5	5.0
ROD0430-9R0M	9.0	1	15	4	5.6	0.85	4.0	30	6.0	20.1	4.9
ROD0425-120M	12.0	0.1	22	2	5.0	0.63	4.0	25	5.5	16.9	4.7
ROD0520-2R5M	2.5	1	5	6	18.0	1.00	5.0	20	7.3	11.0	6.1
ROD0525-4R7M	4.7	1	8	5	13.0	0.95	5.0	25	7.2	14.5	6.0
ROD0520-7R0M	7.0	1	17	3	11.0	0.71	5.0	20	6.7	15.3	5.7
ROD0520-100M	10.0	0.1	24	2	9.0	0.63	5.0	20	6.5	16.2	5.7
ROD0525-120M	12.0	0.1	27	2.5	8.5	0.63	5.0	25	6.5	14.9	5.7
ROD0530-250M	25.0	0.1	38	1	5.0	0.63	5.0	30	6.5	22.8	5.7
ROD0625-4R0M	4.0	1	5	10	19.0	1.32	6.0	25	8.9	18.7	7.4
ROD0625-6R0M	6.0	1	8	7	17.0	1.06	6.0	25	8.4	18.6	7.1
ROD0625-100M	12.0	0.1	13	5	14.0	0.95	6.0	25	8.2	22.4	7.0
ROD0625-150M	15.0	0.1	30	5	10.0	0.63	6.0	25	7.5	16.6	6.7
ROD0630-220M	22.0	0.1	34	2	7.8	0.63	6.0	30	7.5	18.2	6.7
ROD0630-300M	30.0	0.1	46	2	7.0	0.63	6.0	30	7.5	25.5	6.7

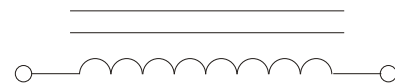
Note: 1. K=  $\pm$  10%, M=  $\pm$  20%, N=  $\pm$  30%

## CHARACTERISTICS:

DIMENSIONS IN: mm



## ELECTRONICAL SCHEMATIC



Note: All specifications subject to change without notice.