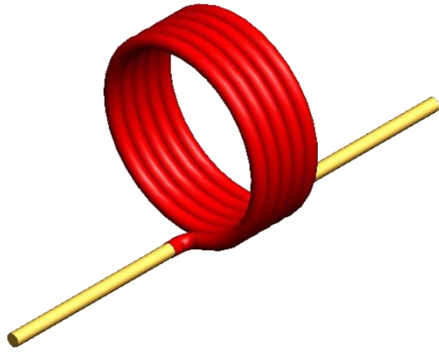
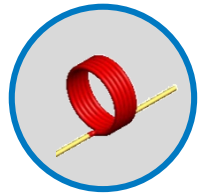




Kit #5 – Copper Air Coil

(High Frequency Applications)



Features

- Micro-size gold plated copper air coils
- Inductance values from 8 nH
- Precision insulation removal for repeatable mounting
- Extremely low insertion loss
- Perfect for high frequency filters

Kit #5 – Inductor Specification

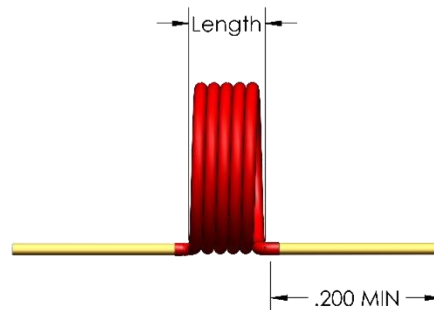
Part Number	L (nH) +/-10%	Q Min	I Max (mA)	SRF Typ. (GHz)	Test Freq. (MHz)	DCR Max (Ohms)	Length Nom. (Inches)	Wire Size (AWG)	Turns
MK3T47.018HXS-00	8	26	100	10.0	200	0.25	0.005	47	3
MK5T47.018HXS-00	15	29	100	9.0	200	0.30	0.010	47	5
MK10T47.018HXS-00	35	23	100	7.5	100	0.50	0.017	47	10
MK15T47.018HXS-00	60	24	100	6.0	100	0.65	0.026	47	15
MK20T47.018HXS-00	85	25	100	4.5	100	0.80	0.034	47	20
MK30T47.018HXS-00	140	17	100	2.5	25	1.10	0.050	47	30

Custom configurations available upon request - Contact Piconics for more info.

*SRF is typical performance on 10 mil alumina

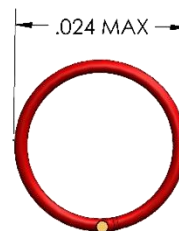
Mechanicals:

Wire	47 AWG Copper
Insulation	240°C Polyimide-Amide
Lead Finish	5-10 Micro Inch Gold Plate
Packaging	Individual Pill Capsules



Environmental:

Operating Temp.	-55°C to 125°C
Storage Temp.	-55°C to 125°C
RoHS Compliant	Yes



Not Drawn To Scale
Dimensions in Inches



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ISO 9001:2015

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