

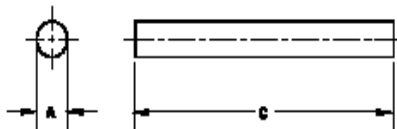
RFID Kit

(Part Number 0199000024)

Antenna/RFID Kit Part No. 0199000024 Ferrite Cores for Antenna Applications & RFID Devices



These precision-ground antenna rods, available in three materials, are designed for high Q applications over a wide frequency range, which encompasses the popular RFID operating frequencies.



78 Material for up to 500 kHz
61 Material for up to 10 MHz
67 Material for up to 75 MHz

Part Number	A	C*	μ_{max}	Wt(g)	Part Number	A	C*	μ_{max}	Wt(g)
3067990821	0.75±0.025 .030	7.5±0.15 .295	22	.02	3061990861	2.5±0.025 .098	20.0±0.40 .787	27	.47
3061990821	0.75±0.025 .030	7.5±0.15 .295	35	.02	3078990861	2.5±0.025 .098	20.0±0.40 .787	34	.47
3078990821	0.75±0.025 .030	7.5±0.15 .295	48	.02	3067990871	3.0±0.04 .118	25.0±0.50 .984	20	.85
3067990831	1.0±0.025 .039	10.0±0.20 .394	22	.04	3061990871	3.0±0.04 .118	25.0±0.50 .984	29	.85
3061990831	1.0±0.025 .039	10.0±0.20 .394	35	.04	3078990871	3.0±0.04 .118	25.0±0.50 .984	35	.85
3078990831	1.0±0.025 .039	10.0±0.20 .394	48	.04	3067990881	4.0±0.04 .157	30.0±0.60 1.181	18	1.8
3067990841	1.5±0.025 .069	15.0±0.30 .591	22	.13	3061990881	4.0±0.04 .157	30.0±0.60 1.181	25	1.8
3061990841	1.5±0.025 .069	15.0±0.30 .591	35	.13	3078990881	4.0±0.04 .157	30.0±0.60 1.181	31	1.8
3078990841	1.5±0.025 .069	15.0±0.30 .591	48	.13	3061990891	5.0±0.04 .197	35.0±0.70 1.378	24	3.3
3067990851	2.0±0.025 .079	15.0±0.30 .591	18	.23	3078990891**	5.0±0.04 .197	35.0±0.70 1.378	29	3.3
3061990851	2.0±0.025 .079	15.0±0.30 .591	25	.23	3078990901**	6.0±0.05 .236	40.0±0.80 1.575	25	5.4
3078990851	2.0±0.025 .079	15.0±0.30 .591	31	.23	3078990911**	8.0±0.05 .315	45.0±0.90 1.772	20	11
3067990861	2.5±0.025 .098	20.0±0.40 .787	19	.47					

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

* This dimension may be modified to suit specific applications.

** Samples of rods in 61 & 67 materials are available from stock upon request.

Property	Unit	Symbol	67	61	78
Initial Permeability @ B < 10 Gauss	---	μ_i	40	125	2300
Flux Density @ Field Strength	gauss oersted	B H	2300 20	2350 15	4800 5
Loss Factor @ Frequency	10^{-6} MHz	$\tan \delta / \mu_i$	150 50	30 1.0	4.5 0.1
Temp Coefficient of Initial Perm (20 - 70 °C)	% / °C	TC	0.05	0.10	1.0
Curie Temperature	°C	T_c	>475	>350	>200

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