

Antennas, Ferrite Beads and Wirewound SMD Inductors

Innovative Service Around the Globe

YAGEO SURFACE MOUNT ANTENNAS

Features:

- Simplifies antenna circuitry
- No need for expensive RF connectors
- Water based non-toxic production process
- NiSn lead-free terminations
- Co-fired ceramic technology reduces manufacturing energy consumption
- Suitable for wave and reflow soldering
- Supplied on tape and reel or in bulk package

Applications:

- Telecommunications
- Computing (PCs, printers, PDAs)
- Wireless office data communications including WLAN
- Consumer electronics (wireless headphones)

** Package Bulk Only

* Antenna has a built-in circuit at Ground Termination. However, Ground Termination is optional if good matching is attainable. If good matching is attainable during application, Ground Termination can be used as NC Solder Termination.

MOUSER STOCK NO.	Yageo Part No.	Bandwidth MHz	Gain (dBi Max.)	Frequency	Price for Each				Reel Quantity	Price Per Piece
					1	10	50	100		
*240-4311-111-00245	4311-111-00245	100	1.2	2.45GHz	3.42	2.85	2.57	2.28	1,000	1.52
240-4311-115-00245	4311-115-00245	100	0	2.45GHz	2.48	2.17	1.65	1.29	1,000	.859
240-4313-118-00918	4313-118-00918	100	1.5	900 / 1800MHz	7.65	6.55	6.00	5.45	**	**

Antennas

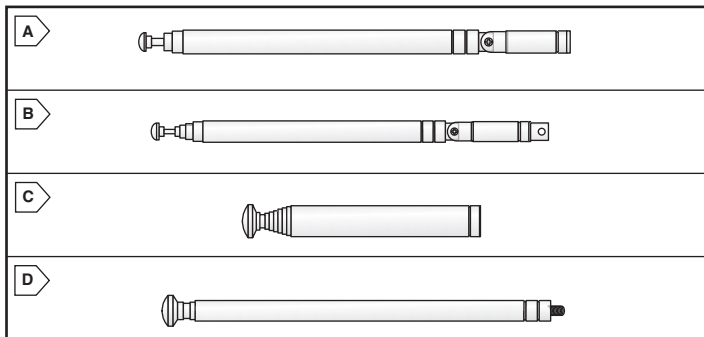
XICON TELESCOPING ANTENNAS

* 48SM026 - Screw for 43AR103 and 43AR106

† 48SM003 - Screw for 43AR105 and 430-1002

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)		Dia. (in.)	Sect.	Thread Size D x P (mm)	Price Each			
		Extended	Collapsed				1	10	100	500
		430-1002	A				25.8	7.0	.236	5
430-1415	B	34.6	6.89	.236	6	-----	6.96	6.21	5.69	5.27
43AR103	C	19.8	3.6	.32	8	2.6 x 0.45*	4.87	4.33	3.52	2.98
43AR104	D	20.5	6.0	.17	4	3.0 x 0.50	2.92	2.60	2.11	1.79
43AR105	C	33.3	5.8	.28	7	3.0 x 0.50†	5.25	4.67	3.79	3.21
43AR106	C	19.0	4.25	.24	6	2.6 x 0.45*	3.11	2.76	2.25	1.90



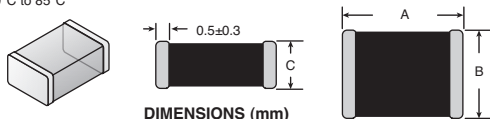
XICON FERRITE CHIP BEADS

Ferrite Chip Beads provide an effective means of EMI/RFI attenuation for electronic equipment. These items are specially designed for flow, reflow, and wave soldering applications.

Specifications:

- Impedance tolerance: ±25%
- Operating temperature: -25°C to 85°C
- Storage temperature: -40°C to 85°C

EIA SIZE	Dimensions: mm		
	A	B	C
0805	2.0±0.2	1.25±0.2	0.9±0.2
1206	3.2±0.2	1.6±0.2	1.1±0.2
1210	3.2±0.2	2.5±0.2	1.3±0.2
1806	4.5±0.25	1.6±0.2	1.0±0.2
1812	4.5±0.25	3.2±0.2	1.5±0.2



DIMENSIONS (mm)

MOUSER STOCK NO.	EIA Size	Imped. (Ω) @ 100MHz	DCR (Ω) max.	Rated Current (mA) max.	Price Each			Reel Qty.	Reel Price Each
					1	100	500		
436-0110-RC	0603	11	.05	500	.07	.065	.055	4000	.042
436-0190-RC	0603	19	.08	500	.07	.065	.055	4000	.042
436-0300-RC	0603	30	.10	400	.07	.065	.055	4000	.042
436-0400-RC	0603	40	.10	400	.07	.065	.055	4000	.042
436-0600-RC	0603	60	.10	300	.07	.065	.055	4000	.042
436-0800-RC	0603	80	.15	300	.07	.065	.055	4000	.042
436-0121-RC	0603	120	.25	300	.07	.065	.055	4000	.042
436-0221-RC	0603	220	.30	200	.07	.065	.055	4000	.042
436-0301-RC	0603	300	.40	200	.07	.065	.055	4000	.042
436-0451-RC	0603	450	.50	200	.07	.065	.055	4000	.042
436-0601-RC	0603	600	.50	200	.07	.065	.055	4000	.042
436-0751-RC	0603	750	.70	200	.07	.065	.055	4000	.042
436-0102-RC	0603	1000	.70	200	.07	.065	.055	4000	.042
436-0152-RC	0603	1500	1.0	50	.07	.065	.055	4000	.042
436-0222-RC	0603	2200	1.2	50	.07	.065	.055	4000	.042
436-1070-RC	0805	7	.10	600	.09	.085	.065	4000	.042
436-1090-RC	0805	9	.10	600	.09	.085	.065	4000	.042
436-1110-RC	0805	11	.10	600	.09	.085	.065	4000	.042
436-1170-RC	0805	17	.10	600	.09	.085	.065	4000	.042
436-1320-RC	0805	32	.10	600	.09	.085	.065	4000	.042
436-1600-RC	0805	60	.15	500	.09	.085	.065	4000	.042
436-1700-RC	0805	70	.15	500	.09	.085	.065	4000	.042
436-1800-RC	0805	80	.15	500	.09	.085	.065	4000	.042
436-1121-RC	0805	120	.60	200	.09	.085	.065	4000	.042
436-1151-RC	0805	150	.50	300	.09	.085	.065	4000	.042
436-1221-RC	0805	220	.30	300	.09	.085	.065	4000	.042
436-1301-RC	0805	300	.30	300	.09	.085	.065	4000	.042
436-1401-RC	0805	400	.30	300	.09	.085	.065	4000	.042
436-1501-RC	0805	500	.40	300	.09	.085	.065	4000	.042
436-1601-RC	0805	600	1.0	200	.09	.085	.065	4000	.042
436-1751-RC	0805	750	.50	200	.09	.085	.065	4000	.042
436-1102-RC	0805	1000	.50	200	.09	.085	.065	4000	.042
436-1152-RC	0805	1500	.60	200	.09	.085	.065	4000	.042
436-1202-RC	0805	2000	.80	100	.09	.085	.065	4000	.042
436-1222-RC	0805	2200	1.0	100	.09	.085	.065	4000	.042
436-2320-RC	1206	32	.15	500	.09	.085	.065	3000	.042
436-2601-RC	1206	60	.40	200	.09	.085	.065	3000	.042
436-3600-RC	1210	60	.30	400	.09	.085	.065	2500	.048
436-4800-RC	1806	80	.30	400	.09	.085	.072	2000	.066
436-4151-RC	1806	150	.50	200	.09	.085	.072	2000	.066
436-5121-RC	1812	120	.40	300	.10	.089	.085	1000	.081

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XICON 1812 MAGNETIC SHIELDED WIREWOUND SMD INDUCTORS

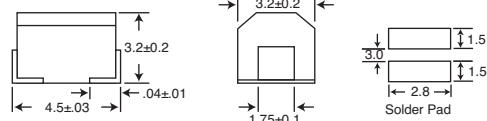
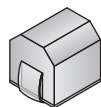
Specifications:

- Temperature rise: 20°C (max.)
- Ambient temperature: 80°C (max.)
- Operating temperature: -20°C to +100°C
- Storage temperature: -40°C to +100°C

Features:

- Very strong solderability
- Can be mounted automatically
- Terminals are highly resistant to pull forces
- Highly resistant to mechanical shocks and pressure

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q (min.)	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated DC (mA)	Price Each			Reel Price Each
							1	10	100	
434-18-R10M-RCX	0.10	28	25.2	700	0.44	450	.41	.32	.24	.20
434-18-R15M-RCX	0.15	30	25.2	450	0.25	450	.41	.32	.24	.20
434-18-R22M-RCX	0.22	30	25.2	350	0.32	450	.41	.32	.24	.20
434-18-R33M-RCX	0.33	30	25.2	300	0.40	450	.41	.32	.24	.20
434-18-R47M-RCX	0.47	30	25.2	220	0.50	450	.41	.32	.24	.20
434-18-R68M-RCX	0.68	30	25.2	160	0.60	450	.41	.32	.24	.20
434-18-1R0K-RCX	1.0	50	7.96	100	0.50	450	.41	.32	.24	.20
434-18-1R2K-RCX	1.2	50	7.96	80	0.55	430	.41	.32	.24	.20
434-18-1R5K-RCX	1.5	50	7.96	70	0.60	410	.41	.32	.24	.20
434-18-1R8K-RCX	1.8	50	7.96	60	0.39	390	.41	.32	.24	.20
434-18-2R2K-RCX	2.2	50	7.96	55	0.70	380	.41	.32	.24	.20
434-18-2R7K-RCX	2.7	50	7.96	50	0.75	370	.41	.32	.24	.20
434-18-3R3K-RCX	3.3	50	7.96	45	0.80	355	.41	.32	.24	.20
434-18-4R7K-RCX	4.7	50	7.96	35	1.00	315	.41	.32	.24	.20
434-18-5R6K-RCX	5.6	50	7.96	33	1.10	300	.41	.32	.24	.20
434-18-6R8K-RCX	6.8	50	7.96	27	1.20	285	.41	.32	.24	.20
434-18-8R2K-RCX	8.2	50	7.96	25	1.40	270	.41	.32	.24	.20
434-18-100K-RCX	10	50	2.52	20	1.60	250	.41	.32	.24	.20
434-18-120K-RCX	12	50	2.52	18	2.00	225	.41	.32	.24	.20
434-18-150K-RCX	15	50	2.52	17	2.50	200	.41	.32	.24	.20
434-18-180K-RC	18	50	2.52	15	2.80	190	.41	.32	.24	.20
434-18-220K-RC	22	50	2.52	13	3.20	180	.41	.32	.24	.20
434-18-270K-RC	27	50	2.52	12	3.60	170	.41	.32	.24	.20
434-18-330K-RC	33	50	2.52	11	4.00	160	.41	.32	.24	.20
434-18-470K-RC	47	50	2.52	10	5.00	140	.41	.32	.24	.20
434-18-560K-RC	56	50	2.52	9	5.50	135	.41	.32	.24	.20
434-18-101K-RCX	100	40	0.796	7	8.00	110	.41	.32	.24	.20
434-18-151K-RCX	150	40	0.796	5	9.00	105	.41	.32	.24	.20
434-18-181K-RC	180	40	0.796	5	9.50	102	.41	.32	.24	.20
434-18-221K-RC	220	40	0.796	4	12.00	100	.41	.32	.24	.20
434-18-331K-RC	330	30	0.796	3	20.00	85	.41	.32	.24	.20
434-18-471K-RC	470	30	0.796	3	26.00	62	.41	.32	.24	.20
434-18-681K-RC	680	30	0.796	2	40.00	50	.41	.32	.24	.20
434-18-102K-RCX	1000	30	0.796	2	50.00	30	.41	.32	.24	.20

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