

Antennas, Ferrite Beads and Wirewound SMD Inductors

YAGEO SURFACE MOUNT ANTENNAS

Innovative Service Around the Globe

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					1,000	
240-4311-115-00245	4311-115-00245	100	0	2.45GHz					1,000	

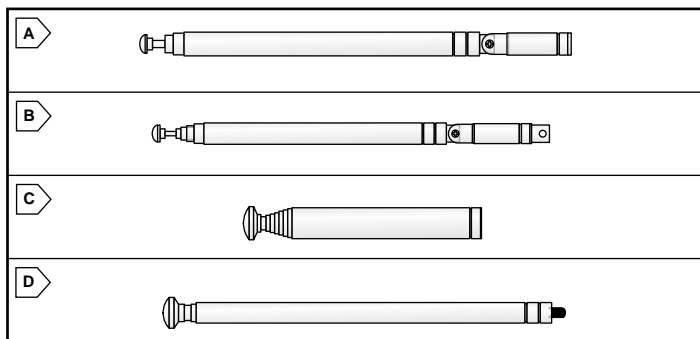
XICON TELESCOPING ANTENNAS

* 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	3.0 x 0.50†					
430-1415	B	34.6	6.89	.236	6	-----					
43AR103	C	19.8	3.6	.32	8	2.6 x 0.45*					
43AR104	D	20.5	6.0	.17	4	3.0 x 0.50					
43AR105	C	33.3	5.8	.28	7	3.0 x 0.50†					
43AR106	C	19.0	4.25	.24	6	2.6 x 0.45*					



Antennas

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				4000	
436-0190-RC	0603	19	.08	500				4000	
436-0300-RC	0603	30	.10	400				4000	
436-0400-RC	0603	40	.10	400				4000	
436-0600-RC	0603	60	.10	300				4000	
436-0800-RC	0603	80	.15	300				4000	
436-0121-RC	0603	120	.25	300				4000	
436-0221-RC	0603	220	.30	200				4000	
436-0301-RC	0603	300	.40	200				4000	
436-0451-RC	0603	450	.50	200				4000	
436-0601-RC	0603	600	.50	200				4000	
436-0751-RC	0603	750	.70	200				4000	
436-0102-RC	0603	1000	.70	200				4000	
436-0152-RC	0603	1500	1.0	50				4000	
436-0222-RC	0603	2200	1.2	50				4000	
436-1070-RC	0805	7	.10	600				4000	
436-1090-RC	0805	9	.10	600				4000	
436-1110-RC	0805	11	.10	600				4000	
436-1170-RC	0805	17	.10	600				4000	
436-1320-RC	0805	32	.10	600				4000	
436-1600-RC	0805	60	.15	500				4000	
436-1700-RC	0805	70	.15	500				4000	
436-1800-RC	0805	80	.15	500				4000	
436-1121-RC	0805	120	.60	200				4000	
436-1151-RC	0805	150	.50	300				4000	
436-1221-RC	0805	220	.30	300				4000	
436-1301-RC	0805	300	.30	300				4000	
436-1401-RC	0805	400	.30	300				4000	
436-1501-RC	0805	500	.40	300				4000	
436-1601-RC	0805	600	1.0	200				4000	
436-1751-RC	0805	750	.50	200				4000	
436-1102-RC	0805	1000	.50	200				4000	
436-1152-RC	0805	1500	.60	200				4000	
436-1202-RC	0805	2000	.80	100				4000	
436-1222-RC	0805	2200	1.0	100				4000	
436-2320-RC	1206	32	.15	500				3000	
436-2601-RC	1206	600	.40	200				3000	
436-3600-RC	1210	60	.30	400				2500	
436-4800-RC	1806	80	.30	400				2000	
436-4151-RC	1806	150	.50	200				2000	
436-5121-RC	1812	120	.40	300				1000	

XICON 1812 MAGNETIC SHIELDED WIREWOUND SMD INDUCTORS

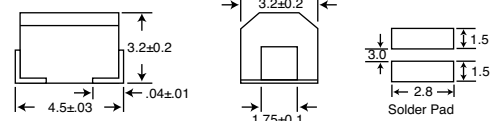
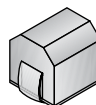
Specifications:

- 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	500	
434-18-R10M-RCX	0.10	28	25.2	700	0.44	450					
434-18-R15M-RCX	0.15	30	25.2	450	0.25	450					
434-18-R22M-RCX	0.22	30	25.2	350	0.32	450					
434-18-R33M-RCX	0.33	30	25.2	300	0.40	450					
434-18-R47M-RCX	0.47	30	25.2	220	0.50	450					
434-18-R68M-RCX	0.68	30	25.2	160	0.60	450					
434-18-1R0K-RCX	1.0	50	7.96	100	0.50	450					
434-18-1R2K-RCX	1.2	50	7.96	80	0.55	430					
434-18-1R5K-RCX	1.5	50	7.96	70	0.60	410					
434-18-1R8K-RCX	1.8	50	7.96	60	0.39	390					
434-18-2R2K-RCX	2.2	50	7.96	55	0.70	380					
434-18-2R7K-RCX	2.7	50	7.96	50	0.75	370					
434-18-3R3K-RCX	3.3	50	7.96	45	0.80	355					
434-18-4R7K-RCX	4.7	50	7.96	35	1.00	315					
434-18-5R6K-RCX	5.6	50	7.96	33	1.10	300					
434-18-6R8K-RCX	6.8	50	7.96	27	1.20	285					
434-18-8R2K-RCX	8.2	50	7.96	25	1.40	270					
434-18-100K-RCX	10	50	2.52	20	1.60	250					
434-18-120K-RCX	12	50	2.52	18	2.00	225					
434-18-150K-RCX	15	50	2.52	17	2.50	200					
434-18-180K-RC	18	50	2.52	15	2.80	190					
434-18-220K-RC	22	50	2.52	13	3.20	180					
434-18-270K-RC	27	50	2.52	12	3.60	170					
434-18-330K-RC	33	50	2.52	11	4.00	160					
434-18-470K-RC	47	50	2.52	10	5.00	140					
434-18-560K-RC	56	50	2.52	9	5.50	135					
434-18-101K-RCX	100	40	0.796	7	8.00	110					
434-18-151K-RCX	150	40	0.796	5	9.00	105					
434-18-181K-RC	180	40	0.796	5	9.50	102					
434-18-221K-RC	220	40	0.796	4	12.00	100					
434-18-331K-RC	330	30	0.796	3	20.00	85					
434-18-471K-RC	470	30	0.796	3	26.00	62					
434-18-681K-RC	680	30	0.796	2	40.00	50					
434-18-102K-RCX	1000	30	0.796	2	50.00	30					