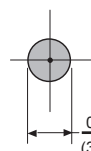
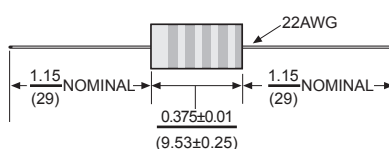


# AM30 Axial Molded Inductors



Dimensions: Inches  
(mm)

## Electrical

**Inductance Range:** .10  $\mu$ H to 1000  $\mu$ H.

**Tolerance:** 20% for values from .10  $\mu$ H to .47  $\mu$ H. 10% for values from .56  $\mu$ H to 33  $\mu$ H. 5% for values from 36  $\mu$ H to 1000  $\mu$ H. Also available in tighter tolerances.

**Rated Current:** Based on Inductance Drop < 10% at rated current.

**Test Procedures:** L and Q measured with HP4342A. Q meter at specified frequency. SRF measured with HP-4191A,4291. DCR measured with CH-301 Digital Milliohm meter.

**Dielectric Strength:** 1000 volts RMS at sea level.

**Operating Temp.:** -55°C to + 125°C.

## Physical

**Marking (on part):** 5 Band Color Code per MIL-C-15305.

**Marking (on reel):** Manufacturers name, Part Number, Customers Part Number, Invoice Number, Lot or Data Code.

**Packaging (bulk):** 1000 pieces per bag.

**Packaging (reel):** 3000 pieces per reel.

Allied Part Number	Inductance ( $\mu$ H)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated Current (mA)
AM30-R10M-RC	.10	20	50	25	520	0.02	2780
AM30-R12M-RC	.12	20	50	25	525	.025	2740
AM30-R15M-RC	.15	20	50	25	525	0.03	2740
AM30-R22M-RC	.22	20	50	25	450	.055	2020
AM30-R33M-RC	.33	20	45	25	360	0.09	1580
AM30-R39M-RC	.39	20	45	25	330	0.11	1420
AM30-R47M-RC	.47	20	45	25	310	0.12	1370
AM30-R56K-RC	.56	10	50	25	280	.135	1290
AM30-R68K-RC	.68	10	50	25	250	0.15	1220
AM30-R82K-RC	.82	10	50	25	220	0.22	1020
AM30-1R0K-RC	1.0	10	50	25	200	0.29	880
AM30-1R2K-RC	1.2	10	33	7.9	180	0.42	730
AM30-1R5K-RC	1.5	10	33	7.9	160	0.50	670
AM30-1R8K-RC	1.8	10	33	7.9	150	0.65	590
AM30-2R2K-RC	2.2	10	33	7.9	135	0.95	485
AM30-2R7K-RC	2.7	10	33	7.9	120	1.20	430
AM30-3R3K-RC	3.3	10	33	7.9	110	2.00	335
AM30-3R9K-RC	3.9	10	33	7.9	100	2.30	310
AM30-4R7K-RC	4.7	10	33	7.9	90	2.60	294
AM30-5R6K-RC	5.6	10	45	7.9	60	0.32	565
AM30-6R8K-RC	6.8	10	50	7.9	55	0.50	450
AM30-8R2K-RC	8.2	10	50	7.9	50	0.60	410
AM30-100K-RC	10	10	55	7.9	45	0.90	335
AM30-120K-RC	12	10	65	2.5	42	1.10	305
AM30-150K-RC	15	10	65	2.5	40	1.40	271
AM30-180K-RC	18	10	75	2.5	34	2.25	213
AM30-220K-RC	22	10	75	2.5	30	2.50	202
AM30-240K-RC	24	10	60	2.5	26	2.50	202
AM30-270K-RC	27	10	60	2.5	25	2.60	198
AM30-300K-RC	30	10	65	2.5	21	2.80	191
AM30-330K-RC	33	10	65	2.5	19	3.00	185
AM30-360J-RC	36	5	60	2.5	15.5	2.50	202
AM30-390J-RC	39	5	60	2.5	14.5	2.60	198
AM30-430J-RC	43	5	60	2.5	13.7	2.70	194
AM30-470J-RC	47	5	55	2.5	13.0	2.75	193
AM30-510J-RC	50	5	55	2.5	12.7	2.85	189
AM30-560J-RC	56	5	55	2.5	12.0	3.00	184
AM30-620J-RC	62	5	55	2.5	11.5	3.15	180
AM30-680J-RC	68	5	55	2.5	11.0	3.30	176
AM30-750J-RC	75	5	55	2.5	10.5	3.70	166
AM30-820J-RC	82	5	50	2.5	10.3	3.90	162
AM30-910J-RC	91	5	50	2.5	10.0	4.30	154
AM30-101J-RC	100	5	50	2.5	9.5	4.50	151
AM30-111J-RC	110	5	60	.79	8.9	4.90	144
AM30-121J-RC	120	5	65	.79	8.7	5.20	140
AM30-131J-RC	130	5	65	.79	8.5	5.45	137
AM30-151J-RC	150	5	65	.79	8.0	6.05	130
AM30-161J-RC	160	5	65	.79	7.5	6.40	126
AM30-181J-RC	180	5	65	.79	8.0	6.05	130
AM30-201J-RC	200	5	65	.79	6.5	7.10	123
AM30-221J-RC	220	5	65	.79	6.2	7.45	117
AM30-241J-RC	240	5	65	.79	5.9	7.80	115
AM30-271J-RC	270	5	65	.79	5.7	11.0	143
AM30-301J-RC	300	5	65	.79	5.4	11.5	140
AM30-331J-RC	330	5	65	.79	5.1	12.0	136
AM30-361J-RC	360	5	65	.79	4.8	12.5	134
AM30-391J-RC	390	5	65	.79	4.5	16.3	117
AM30-431J-RC	430	5	65	.79	4.2	17.1	115
AM30-471J-RC	470	5	65	.79	3.9	17.9	112
AM30-511J-RC	510	5	65	.79	3.7	18.8	109
AM30-561J-RC	560	5	65	.79	3.8	19.5	107
AM30-621J-RC	620	5	65	.79	3.3	25.9	93
AM30-681J-RC	680	5	65	.79	3.1	27.2	91
AM30-751J-RC	750	5	65	.79	2.9	28.6	88
AM30-821J-RC	820	5	65	.79	2.7	30.0	86
AM30-911J-RC	910	5	65	.79	2.5	31.5	84
AM30-102J-RC	1000	5	65	.79	2.3	33.0	82

All specifications subject to change without notice.