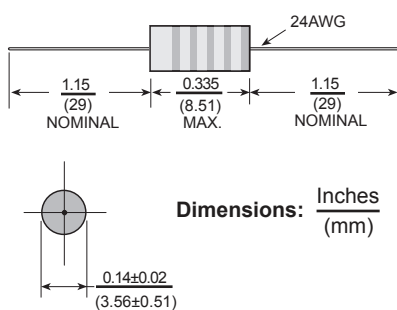
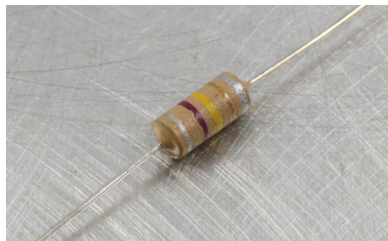


# AS30 Axial Shielded Inductors



## Electrical

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

**Tolerance:** ±10% over the entire inductance range. Tighter tolerances available.

**Shielding:** < 5% coupling, with 2 units side by side at 1 KHz.

**Test Procedures:** L & Q Measured with HP4342A Q-Meter at specified Frequency. DCR Measured on CH-301 SRF Measured on HP-4191A, HP4291B.

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

**Design:** To meet MIL-C-15305, Grade 1, Class B.

## Physical

**Marking (On Part):** 5 Band Color Code per MIL-C-15305.

**Marking (On Reel):** Manufactures Name, Part Number, Customers Part Number, Invoice Number, Lot or Data Code.

**Packaging (bulk):** 250 pieces per bag.

**Packaging (tape & reel):** 5000 pieces per reel.

Allied Part Number	Inductance (µh)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current (mA)
AS30-R10K-RC	.10	10	42	25	500	.112	1720
AS30-R12K-RC	.12	10	42	25	500	.126	1630
AS30-R15K-RC	.15	10	42	25	500	.136	1550
AS30-R18K-RC	.18	10	42	25	336	.165	1420
AS30-R22K-RC	.22	10	42	25	331	.198	1330
AS30-R27K-RC	.27	10	42	25	298	.220	1230
AS30-R33K-RC	.33	10	42	25	288	.258	1140
AS30-R39K-RC	.39	10	42	25	271	.292	1060
AS30-R47K-RC	.47	10	41	25	247	.360	960
AS30-R56K-RC	.56	10	39	25	236	.397	915
AS30-R68K-RC	.68	10	36	25	216	.472	840
AS30-R82K-RC	.82	10	35	25	200	.638	720
AS30-1R0K-RC	1.0	10	42	25	136	.208	1260
AS30-1R2K-RC	1.2	10	38	7.9	120	.225	1210
AS30-1R5K-RC	1.5	10	38	7.9	111	.265	1120
AS30-1R8K-RC	1.8	10	38	7.9	103	.285	1080
AS30-2R2K-RC	2.2	10	38	7.9	94.0	.330	1000
AS30-2R7K-RC	2.7	10	38	7.9	84.8	.381	935
AS30-3R3K-RC	3.3	10	38	7.9	78.4	.432	875
AS30-3R9K-RC	3.9	10	40	7.9	72.8	.576	755
AS30-4R7K-RC	4.7	10	42	7.9	66.4	.787	650
AS30-5R6K-RC	5.6	10	42	7.9	61.6	1.04	565
AS30-6R8K-RC	6.8	10	45	7.9	54.6	1.40	485
AS30-8R2K-RC	8.2	10	47	7.9	49.6	1.68	440
AS30-100K-RC	10	10	51	7.9	44.0	2.58	355
AS30-120K-RC	12	10	51	2.5	39.2	3.65	300
AS30-150K-RC	15	10	45	2.5	44.0	.862	620
AS30-180K-RC	18	10	43	2.5	40.0	1.02	570
AS30-220K-RC	22	10	42	2.5	36.0	1.12	545
AS30-270K-RC	27	10	37	2.5	32.8	1.28	510
AS30-330K-RC	33	10	46	2.5	29.6	1.70	440
AS30-390K-RC	39	10	38	2.5	26.4	1.99	405
AS30-470K-RC	47	10	42	2.5	23.2	2.41	370
AS30-560K-RC	56	10	41	2.5	21.6	2.85	340
AS30-680K-RC	68	10	46	2.5	18.4	3.21	320
AS30-820K-RC	82	10	46	2.5	16.8	3.57	305
AS30-101K-RC	100	10	43	2.5	15.2	4.10	280
AS30-121K-RC	120	10	50	0.25	14.4	5.97	235
AS30-151K-RC	150	10	49	0.79	12.0	7.05	215
AS30-181K-RC	180	10	56	0.79	11.2	8.42	200
AS30-221K-RC	220	10	53	0.79	9.60	14.8	150
AS30-271K-RC	270	10	57	0.79	9.20	16.8	140
AS30-331K-RC	330	10	57	0.79	8.40	18.6	130
AS30-391K-RC	390	10	57	0.79	8.00	21.1	120
AS30-471K-RC	470	10	50	0.79	6.80	32.2	100
AS30-561K-RC	560	10	50	0.79	6.00	36.4	95
AS30-681K-RC	680	10	56	0.79	5.60	41.1	90
AS30-821K-RC	820	10	49	0.79	5.20	45.0	85
AS30-102K-RC	1000	10	49	0.79	4.80	52.0	80
AS30-122K-RC	1200	10	50	.250	3.25	22.4	100
AS30-152K-RC	1500	10	50	.250	2.91	29.4	90
AS30-182K-RC	1800	10	50	.250	2.63	33.0	84
AS30-222K-RC	2200	10	55	.250	2.58	38.0	79
AS30-272K-RC	2700	10	55	.250	2.40	42.0	75
AS30-332K-RC	3300	10	55	.250	2.07	58.5	63.5
AS30-392K-RC	3900	10	50	.250	2.00	77.0	55.5
AS30-472K-RC	4700	10	50	.250	1.83	86.2	52.5
AS30-562K-RC	5600	10	45	.250	1.79	111	46.0
AS30-682K-RC	6800	10	45	.250	1.60	128	42.6
AS30-822K-RC	8200	10	45	.250	1.56	145	40.5
AS30-103K-RC	10000	10	45	.250	1.50	168	31.6

All specifications subject to change without notice.