

# WIRE-WOUND CHIP INDUCTORS

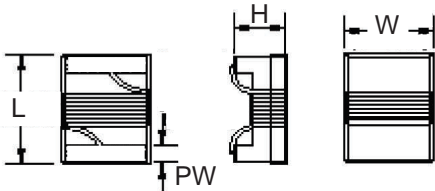
## AISC-0603, -0805 SERIES

### STANDARD SPECIFICATIONS

Part Number <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc (mA) (MAX)
AISC-0603-R0018K	0.0018	16	250	6000	0.130	700
AISC-0603-R0033K	0.0033	35	250	6000	0.085	700
AISC-0603-R0047K	0.0047	20	250	6000	0.080	700
AISC-0603-R0056K	0.0056	10	250	6000	0.200	700
AISC-0603-R0068K	0.0068	25	250	5800	0.110	700
AISC-0603-R0082K	0.0082	31	250	5700	0.120	700
AISC-0603-R010K	0.010	30	250	4800	0.130	700
AISC-0603-R012K	0.012	30	250	4000	0.130	700
AISC-0603-R015K	0.015	30	250	4000	0.170	700
AISC-0603-R018K	0.018	30	150	3200	0.170	700
AISC-0603-R022K	0.022	35	250	3000	0.190	700
AISC-0603-R027K	0.027	35	250	2800	0.220	600
AISC-0603-R033K	0.033	35	250	2300	0.220	600
AISC-0603-R039J	0.039	35	250	2200	0.250	600
AISC-0603-R047J	0.047	35	250	2100	0.280	600
AISC-0603-R056J	0.056	35	250	2000	0.310	600
AISC-0603-R068J	0.068	35	250	1850	0.340	600
AISC-0603-R072J	0.072	35	150	1700	0.630	400
AISC-0603-R082J	0.082	35	150	1700	0.670	400
AISC-0603-R10J	0.100	35	150	1500	0.750	400
AISC-0603-R11J	0.110	35	150	1400	0.750	300
AISC-0603-R12J	0.120	35	150	1350	0.790	300
AISC-0603-R15J	0.150	40	150	1200	1.330	200
AISC-0603-R18J	0.180	40	150	1100	1.500	150

Part Number <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc (mA) (MAX)
AISC-0805-R0022M	0.0022	40	250	6000	0.10	600
AISC-0805-R0027M	0.0027	60	250	6000	0.05	600
AISC-0805-R0033M	0.0033	25	250	6000	0.20	600
AISC-0805-R0047M	0.0047	60	250	6000	0.04	600
AISC-0805-R0056M	0.0056	50	250	5500	0.10	600
AISC-0805-R0068M	0.0068	50	250	5500	0.10	600
AISC-0805-R0082M	0.0082	50	250	5000	0.10	600
AISC-0805-R010M	0.010	50	250	4500	0.14	600
AISC-0805-R012M	0.012	50	250	4100	0.15	600
AISC-0805-R015M	0.015	50	250	2900	0.17	600
AISC-0805-R018M	0.018	50	250	3300	0.20	600
AISC-0805-R022M	0.022	55	250	2600	0.22	500
AISC-0805-R027M	0.027	60	250	2500	0.25	500
AISC-0805-R033K	0.033	60	250	2200	0.10	500
AISC-0805-R039K	0.039	60	250	2100	0.29	500
AISC-0805-R047K	0.047	60	200	1750	0.31	500
AISC-0805-R056K	0.056	60	200	1650	0.32	500
AISC-0805-R068K	0.068	60	200	1500	0.38	500
AISC-0805-R082K	0.082	60	150	1400	0.42	400
AISC-0805-R10K	0.10	60	150	1200	0.45	400
AISC-0805-R12K	0.12	55	150	1200	0.51	400
AISC-0805-R15K	0.15	50	100	1000	0.56	400
AISC-0805-R18K	0.18	50	100	950	0.64	400
AISC-0805-R22K	0.22	45	100	900	1.10	400
AISC-0805-R27K	0.27	40	100	900	1.15	350
AISC-0805-R33K	0.33	40	100	800	1.40	310
AISC-0805-R39K	0.39	35	100	730	2.40	290
AISC-0805-R47K	0.47	35	100	650	2.80	250
AISC-0805-R56K	0.56	35	100	550	1.05	230
AISC-0805-R68K	0.68	30	25	500	1.15	200
AISC-0805-R82K	0.82	25	25	420	1.30	180
AISC-0805-1R0K	1.00	15	25	400	0.90	150

#### PHYSICAL CHARACTERISTICS



	Length <sup>3</sup> (L)	Width <sup>3</sup> (W)	Height <sup>3</sup> (H)	Pad Width <sup>3</sup> (PW)
AISC-0603	.06±.002 (1,52±0,05)	.03±.002 (0,076±0,05)	.034 MAX (0,87 MAX)	.016±.008 (0,33±0,2)
AISC-0805	.079±.008 (2,0±0,2)	.049±.008 (1,25±0,2)	.047±.008 (1,2±0,2)	.016±.008 (0,4±0,2)

#### Notes:

1. Tolerance specified as: J = 5%, K = 10%, M = 20%
2. Letter suffix indicates standard tolerance
3. Dimensions: inches / mm; see spec sheet for tolerance limits
4. Specifications subject to change without notice