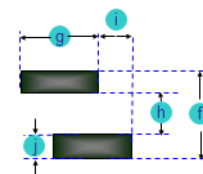
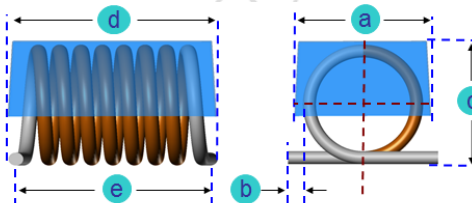
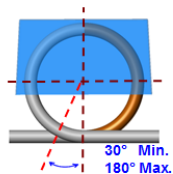
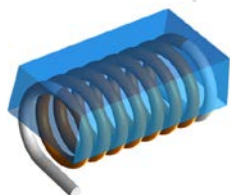


A. Electrical Specifications:

P/N	Turns	L @100MHz (nH)	Tol.	Q Min.	Test Freq. (MHz)	DCR max. (mΩ)	SRF min. (GHz)	I DC max. (A)
292AR-02_	2	1.65	K	100	800	4.0	10.0	1.6
292AR-03_	3	2.55	K, J	100	800	5.0	8.2	1.6
292AR-04_	4	3.85	K, J, G	100	800	6.0	7.5	1.6
292AR-05_	5	5.45	J, G	100	800	8.0	7.0	1.6
292BR-06_	6	5.60	J, G	100	800	9.0	6.5	1.6
292BR-07_	7	7.15	J, G	100	800	10.0	6.0	1.6
292BR-08_	8	8.80	J, G	100	800	12.0	6.0	1.6
292BR-09_	9	9.85	J, G	100	800	13.0	5.2	1.6
292BR-10_	10	12.55	J, G	100	800	14.0	4.6	1.6

B. Dimensions mm (Inch):

Series	a	b	c	d	e	f	g	h	i	j
292AR	1.42 (0.055)	0.89 (0.035)	1.37 (0.053)	2.21 (0.087)	1.83 (0.072)	2.62 (0.103)	2.46 (0.096)	1.04 (0.04)	1.02 (0.04)	0.79 (0.031)
Tol.	±0.13 (0.005)	±0.25 (0.009)	±0.15 (0.005)	±0.25 (0.009)	±0.25 (0.009)	Typ.	Typ.	Typ.	Typ.	Typ.
292BR	1.42 (0.055)	0.89 (0.035)	1.37 (0.053)	4.04 (0.159)	3.66 (0.144)	4.45 (0.175)	2.46 (0.096)	2.87 (0.112)	1.02 (0.04)	0.79 (0.031)
Tol.	±0.13 (0.005)	±0.25 (0.009)	±0.15 (0.005)	±0.3 (0.011)	±0.25 (0.009)	Typ.	Typ.	Typ.	Typ.	Typ.



Foot Print

C. General Information:

1. P/N: 292AR-xx_, “292AR” = Type, “xx” = Dash number, “_” = Inductance tolerance
2. P/N: 292BR-xx_, “292BR” = Type, “xx” = Dash number, “_” = Inductance tolerance
3. Tolerance “_”: G: ± 2%, J: ± 5%, K: ± 10%
4. Small and lightweight surface mounting type
5. High Q at high frequency
6. High self-resonance frequency
7. Maximum Temperature Rise: 15°C (when measured at 25°C ambient)
8. Inductance & Q measured with HP4291B Impedance Analyzer with HP16193 test fixture
9. SRF measured using the HP8753E, HP8720D Network Analyzer or equivalent
10. DCR measured using the Chroma 16502 or equivalent
11. Operating temperature: -40°C to +125°C
12. Storage temp. : -40°C to +85°C
13. Inductance and Current Range: From 1.65 nH (1600 mA) to 12.55 nH (1600 mA)
14. SRF: From 4600 MHz to 10000 MHz
15. MSL: Level 1

D. Applications:

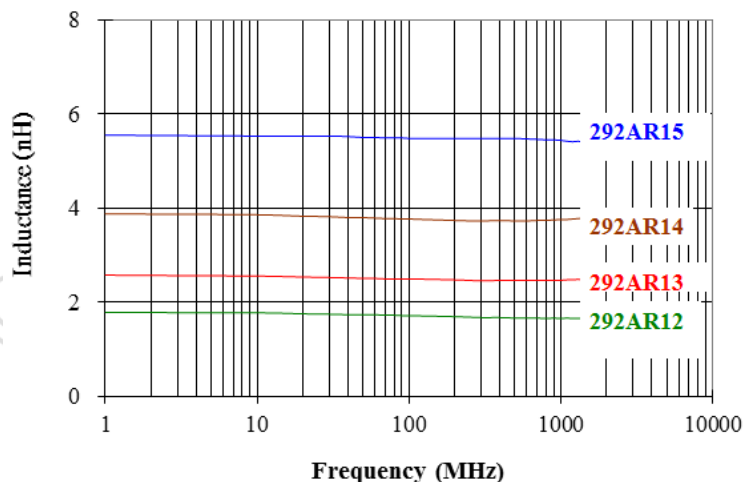
1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)
6. RF Filters



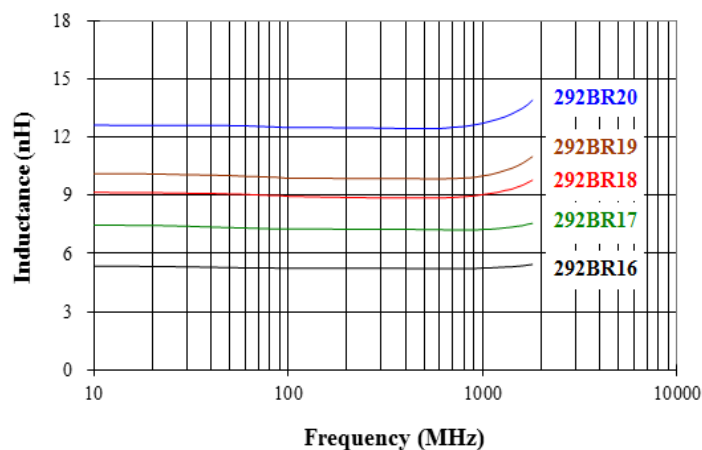
E. Characteristic Curve:

Inductance vs. Frequency

292AR

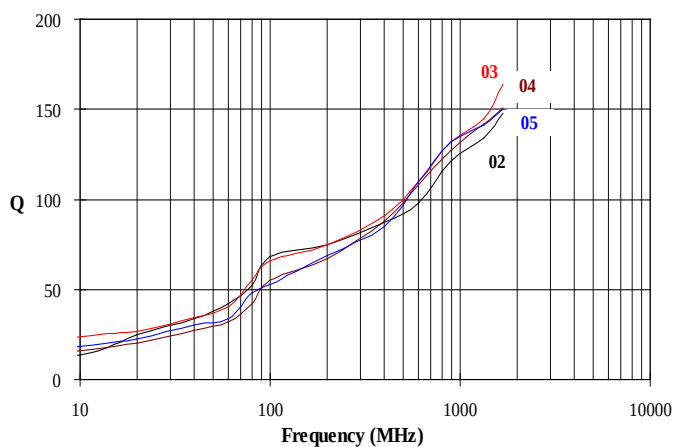


292BR



Q vs. Frequency

292AR



292BR

