

Chip Ceramic Inductors - 0805 Specifications

0805 is the U.S. inches equivalent for the 2012 millimeter series.

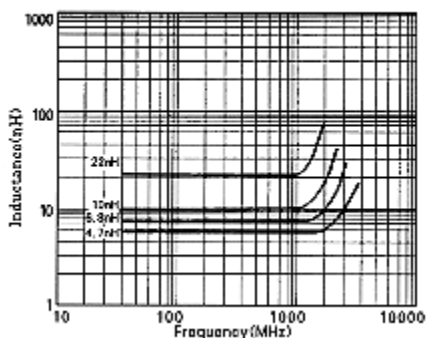
Part Number	Inductance		Q Typical			Self-Resonant Frequency (MHz)		DC Resistance (m ohms)	Rated DC Current (mA)
	nH	Tolerance	100MHz	800MHz	1800MHz	Min	Typ	Max	Max
WPC-2012-1.0	1.0	±0.3nH	17	67	136	4000	12000	100	300
WPC-2012-1.2	1.2	±0.3nH	17	64	128	4000	10000	100	300
WPC-2012-1.5	1.5	±0.3nH	16	60	125	4000	10000	100	300
WPC-2012-1.8	1.8	±0.3nH	15	58	125	4000	8000	100	300
WPC-2012-2.2	2.2	±0.3nH	15	52	92	3800	8000	100	300
WPC-2012-2.7	2.7	±0.3nH	14	50	76	3600	6000	100	300
WPC-2012-3.3	3.3	±0.3nH ±10%	15	50	75	3400	6000	130	300
WPC-2012-3.9	3.9		16	50	78	3200	5400	150	300
WPC-2012-4.7	4.7		15	46	59	3000	4500	200	300
WPC-2012-5.6	5.6		15	47	60	2800	4000	230	300
WPC-2012-6.8	6.8	±5%/±10%	16	52	75	2600	3650	250	300
WPC-2012-8.2	8.2	±5%/±10%	16	50	42	2200	3000	280	300
WPC-2012-100	10	±5%/±10%	17	47	45	1800	2500	300	300
WPC-2012-120	12	±5%/±10%	16	42	35	1650	2450	350	300
WPC-2012-150	15	±5%/±10%	15	40	31	1350	2000	400	300
WPC-2012-180	18	±5%/±10%	16	46	37	1350	1750	450	300
WPC-2012-220	22	±5%/±10%	17	40	25	1100	1500	500	300
WPC-2012-270	27	±5%/±10%	19	40	--	1100	1500	550	300
WPC-2012-330	33	±5%/±10%	19	33	--	900	1200	600	300
WPC-2012-390	39	±5%/±10%	18	28	--	900	1150	650	300
WPC-2012-470	47	±5%/±10%	22	31	--	850	1050	700	300
WPC-2012-560	56	±5%/±10%	23	19	--	750	1000	750	300
WPC-2012-680	68	±5%/±10%	22	13	--	700	950	800	300
WPC-2012-820	82	±5%/±10%	20	--	--	600	850	900	300

Chip Ceramic Inductors - 0805 Specifications - (continued)

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	nH	Tolerance	100MHz	800MHz	1800MHz	Min	Typ	Max	Max
WPC-2012-101	100	±5%/±10%	21	--	--	600	730	1000	300
WPC-2012-121	120	±5%/±10%	17	--	--	600	630	1300	250
WPC-2012-151	150	±5%/±10%	17	--	--	400	570	1500	250
WPC-2012-181	180	±5%/±10%	17	--	--	350	510	1800	250
WPC-2012-221	220	±5%/±10%	17	--	--	330	450	2000	250
WPC-2012-271	270	±5%/±10%	17	--	--	300	410	2500	250
WPC-2012-331	330	±5%/±10%	18	--	--	270	370	3000	250
WPC-2012-391	390	±5%/±10%	18	--	--	220	330	3500	250
WPC-2012-471	470	±5%/±10%	18	--	--	180	280	4000	250

Inductance Characteristics



Q Characteristics

