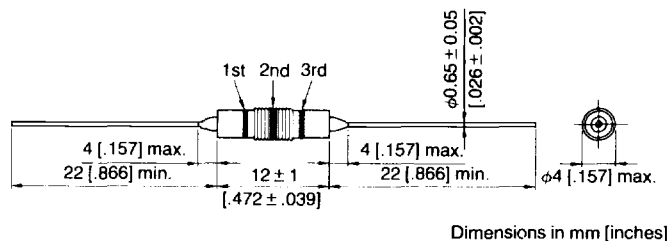


# Inductors

## SP0412 TYPE



## CHARACTERISTICS

<b>Operating temperature range</b>	-20 to +80°C [-4 to +176°F] (including self-temperature rise, 20°C [36°F] max.)
<b>Dielectric withstanding voltage</b>	250 Vrms
<b>Rated current</b>	Based on the temperature rise
<b>Terminal tensile strength</b>	2.5kg min.
<b>Terminal bending strength</b>	0.5kg min.
<b>Moisture resistance characteristics</b>	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 20\%$

## ELECTRICAL CHARACTERISTICS

Part No.	Inductance ( $\mu$ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance ( $\Omega$ ) max.	Rated current (mA) max.
SP0412-R15□-7	0.15 ± 10%, 5%	60	25.2	405	0.04	1980
SP0412-R22□-7	0.22 ± 10%, 5%	60	25.2	365	0.055	1760
SP0412-R33□-7	0.33 ± 10%, 5%	55	25.2	320	0.08	1520
SP0412-R47□-7	0.47 ± 10%, 5%	55	25.2	285	0.105	1340
SP0412-R56□-7	0.56 ± 10%, 5%	60	25.2	270	0.117	1260
SP0412-R68□-7	0.68 ± 10%, 5%	60	25.2	250	0.136	1170
SP0412-R82□-7	0.82 ± 10%, 5%	65	25.2	235	0.157	1100
SP0412-1R0□-7	1 ± 10%, 5%	65	25.2	210	0.163	1020
SP0412-1R2□-7	1.2 ± 10%, 5%	65	7.96	150	0.066	1660
SP0412-1R5□-7	1.5 ± 10%, 5%	65	7.96	135	0.073	1610
SP0412-1R8□-7	1.8 ± 10%, 5%	65	7.96	125	0.079	1560
SP0412-2R2□-7	2.2 ± 10%, 5%	65	7.96	115	0.087	1490
SP0412-2R7□-7	2.7 ± 10%, 5%	65	7.96	105	0.096	1430
SP0412-3R3□-7	3.3 ± 10%, 5%	65	7.96	95	0.105	1360
SP0412-3R9□-7	3.9 ± 10%, 5%	60	7.96	85	0.114	1310
SP0412-4R7□-7	4.7 ± 10%, 5%	60	7.96	80	0.125	1240
SP0412-5R6□-7	5.6 ± 10%, 5%	65	7.96	75	0.27	800
SP0412-6R8□-7	6.8 ± 10%, 5%	65	7.96	70	0.3	760
SP0412-8R2□-7	8.2 ± 10%, 5%	65	7.96	65	0.34	720
SP0412-100□-7	10 ± 10%, 5%	60	7.96	55	0.38	680
SP0412-120□-7	12 ± 10%, 5%	60	2.52	55	0.42	640
SP0412-150□-7	15 ± 10%, 5%	55	2.52	50	0.48	600
SP0412-180□-7	18 ± 10%, 5%	55	2.52	45	0.54	570
SP0412-220□-7	22 ± 10%, 5%	50	2.52	40	0.6	540
SP0412-270□-7	27 ± 10%, 5%	80	2.52	35	1.15	380
SP0412-330□-7	33 ± 10%, 5%	80	2.52	32	1.3	355
SP0412-390□-7	39 ± 10%, 5%	80	2.52	30	1.45	340
SP0412-430□-7	43 ± 10%, 5%	80	2.52	28	1.55	335
SP0412-470□-7	47 ± 10%, 5%	75	2.52	27	1.64	325
SP0412-510□-7	51 ± 10%, 5%	70	2.52	25	1.7	315
SP0412-560□-7	56 ± 10%, 5%	70	2.52	24	1.55	330
SP0412-620□-7	62 ± 10%, 5%	70	2.52	23	1.66	320
SP0412-680□-7	68 ± 10%, 5%	70	2.52	22	1.78	310
SP0412-750□-7	75 ± 10%, 5%	65	2.52	20	1.95	300
SP0412-820□-7	82 ± 10%, 5%	60	2.52	20	2.1	290
SP0412-910□-7	91 ± 10%, 5%	55	2.52	20	2.78	285

\*1: Please specify inductance tolerance, K (±10%), or J (±5%)

