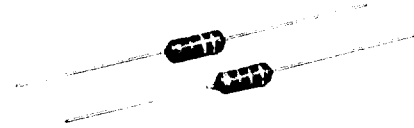
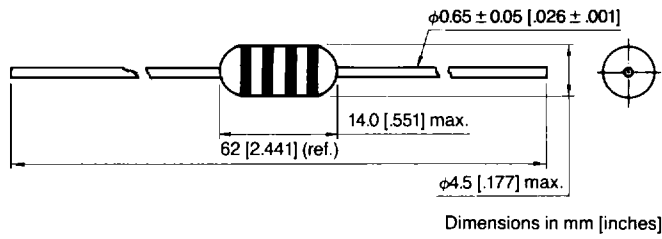


Inductors

SP0408 TYPE



CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
SP0408-R10K-7	$0.1 \pm 10\%$	25	25.2	450	0.04	2100
SP0408-R12K-7	$0.12 \pm 10\%$	25	25.2	420	0.045	2000
SP0408-R15K-7	$0.15 \pm 10\%$	30	25.2	405	0.05	1980
SP0408-R18K-7	$0.18 \pm 10\%$	30	25.2	380	0.065	1800
SP0408-R22K-7	$0.22 \pm 10\%$	30	25.2	365	0.065	1760
SP0408-R27K-7	$0.27 \pm 10\%$	30	25.2	340	0.075	1600
SP0408-R33K-7	$0.33 \pm 10\%$	30	25.2	320	0.09	1520
SP0408-R39K-7	$0.39 \pm 10\%$	30	25.2	300	0.1	1420
SP0408-R47K-7	$0.47 \pm 10\%$	30	25.2	285	0.115	1340
SP0408-R56K-7	$0.56 \pm 10\%$	50	25.2	210	0.055	1950
SP0408-R68K-7	$0.68 \pm 10\%$	50	25.2	185	0.06	1880
SP0408-R82K-7	$0.82 \pm 10\%$	50	25.2	170	0.066	1820
SP0408-1R0K-7	$1 \pm 10\%$	50	25.2	155	0.068	1730
SP0408-1R2K-7	$1.2 \pm 10\%$	50	7.96	145	0.071	1670
SP0408-1R5K-7	$1.5 \pm 10\%$	50	7.96	130	0.16	1130
SP0408-1R8 [*] -7	$1.8 \pm 10\%, \pm 5\%$	50	7.96	115	0.175	1070
SP0408-2R2 [] -7	$2.2 \pm 10\%, \pm 5\%$	50	7.96	105	0.19	1030
SP0408-2R7 [] -7	$2.7 \pm 10\%, \pm 5\%$	50	7.96	95	0.21	960
SP0408-3R3 [] -7	$3.3 \pm 10\%, \pm 5\%$	50	7.96	85	0.23	900
SP0408-3R9 [] -7	$3.9 \pm 10\%, \pm 5\%$	55	7.96	80	0.25	860
SP0408-4R7 [] -7	$4.7 \pm 10\%, \pm 5\%$	55	7.96	70	0.5	550
SP0408-5R6 [] -7	$5.6 \pm 10\%, \pm 5\%$	55	7.96	65	0.55	530
SP0408-6R8 [] -7	$6.8 \pm 10\%, \pm 5\%$	55	7.96	60	0.61	500
SP0408-8R2 [] -7	$8.2 \pm 10\%, \pm 5\%$	55	7.96	55	0.88	480
SP0408-100 [] -7	$10 \pm 10\%, \pm 5\%$	55	7.96	50	0.75	460
SP0408-120 [] -7	$12 \pm 10\%, \pm 5\%$	55	2.52	48	0.82	460
SP0408-150 [] -7	$15 \pm 10\%, \pm 5\%$	55	2.52	45	0.83	430
SP0408-180 [] -7	$18 \pm 10\%, \pm 5\%$	55	2.52	41	0.94	410
SP0408-220 [] -7	$22 \pm 10\%, \pm 5\%$	55	2.52	35	1.05	390
SP0408-270 [] -7	$27 \pm 10\%, \pm 5\%$	55	2.52	30	1.2	370

* [] : Please specify inductance tolerance, K ($\pm 10\%$) or J ($\pm 5\%$)