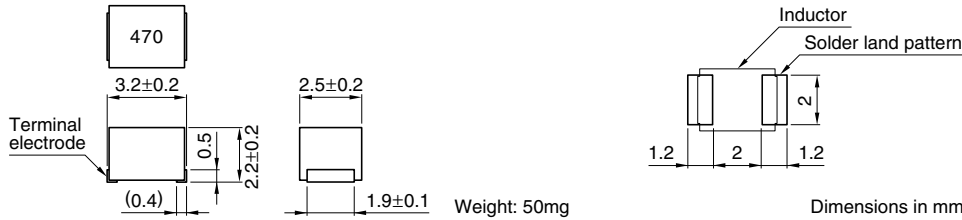


## SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



## ELECTRICAL CHARACTERISTICS

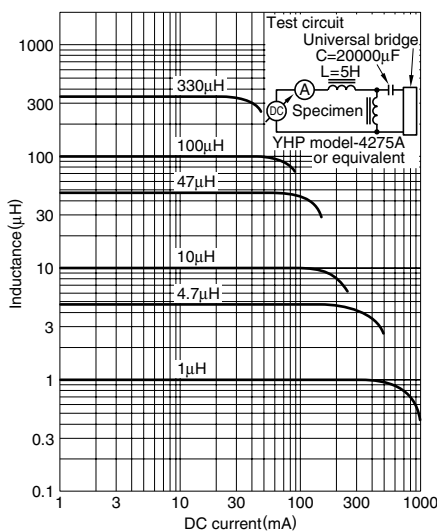
Inductance (μH)	Inductance tolerance	Q ref.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz)min.	DC resistance (Ω)±30%	Rated current* (mA)max.	Part No.
1	±20%	5	7.96	100	0.06	500	NLFC322522T-1R0M-PF
1.5	±20%	5	7.96	80	0.08	400	NLFC322522T-1R5M-PF
2.2	±20%	5	7.96	68	0.09	340	NLFC322522T-2R2M-PF
3.3	±20%	5	7.96	54	0.11	270	NLFC322522T-3R3M-PF
4.7	±20%	5	7.96	46	0.13	240	NLFC322522T-4R7M-PF
6.8	±20%	5	7.96	38	0.17	195	NLFC322522T-6R8M-PF
10	±10%	10	2.52	30	0.26	165	NLFC322522T-100K-PF
15	±10%	10	2.52	26	0.32	145	NLFC322522T-150K-PF
22	±10%	10	2.52	21	0.5	115	NLFC322522T-220K-PF
33	±10%	10	2.52	17	0.75	95	NLFC322522T-330K-PF
47	±10%	10	2.52	14	0.95	85	NLFC322522T-470K-PF
68	±10%	10	2.52	12	1.5	70	NLFC322522T-680K-PF
100	±10%	10	0.796	10	2.5	55	NLFC322522T-101K-PF
150	±10%	10	0.796	8	3.2	45	NLFC322522T-151K-PF
220	±10%	10	0.796	7	5.4	35	NLFC322522T-221K-PF
330	±10%	10	0.796	5	7	30	NLFC322522T-331K-PF
470	±10%	10	0.796	4	16	25	NLFC322522T-471K-PF
680	±10%	10	0.796	3	20	20	NLFC322522T-681K-PF
1000	±10%	10	0.252	2.4	24	15	NLFC322522T-102K-PF

\* Rated current: Value obtained when current flows and the temperature has risen to 20°C or when DC current flows and the initial value of inductance has fallen by 10%, whichever is smaller.

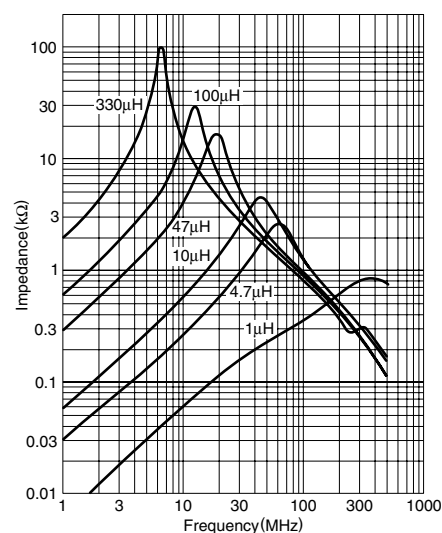
- Test equipment L, Q: YHP4194A IMPEDANCE ANALYZER+YHP16085A+YHP16093B+TF-1, or equivalent  
SRF: HP8753C NETWORK ANALYZER (Z<sub>in</sub>=Z<sub>out</sub>=50Ω), or equivalent  
Rdc: MATSUSHITA VP-2941A DIGITAL MILLIOHM METER, or equivalent

## TYPICAL ELECTRICAL CHARACTERISTICS

### INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



### IMPEDANCE vs. FREQUENCY CHARACTERISTICS



• All specifications are subject to change without notice.