



High Temperature Exposure Test

PN: NPI 75C221KHTRF (220uH ±10% SMT Power Inductor)

MIL-STD-202 Method 108 test condition D

CONDITION: 135°C +2/-°C; 1000 ±12 Hours; 48-piece sample

Equipment : Temperature Chamber & RF LCR METER(HP4284A)

REQUIREMENT:

- a. Appearance; cracking, chipping and any other defects harmful to the characteristics should not be allowed
- b. Inductance within ±10% of initial value

NO.	Before	After	Change (%)	Appearance	NO.	Before	After	Change (%)	Appearance
	L (uH)	L (uH)	L			L (uH)	L (uH)	L	
1	215.15	217.07	0.89	OK	25	230.62	215.60	-6.51	OK
2	217.56	218.61	0.48	OK	26	220.39	213.68	-3.04	OK
3	218.29	219.47	0.54	OK	27	220.00	221.46	0.66	OK
4	220.97	215.71	-2.38	OK	28	223.23	225.67	1.09	OK
5	226.61	222.50	-1.81	OK	29	214.45	217.25	1.31	OK
6	215.53	214.85	-0.32	OK	30	214.56	215.50	0.44	OK
7	222.04	223.04	0.45	OK	31	224.21	221.02	-1.42	OK
8	217.88	216.40	-0.68	OK	32	222.42	215.75	-3.00	OK
9	225.82	223.33	-1.10	OK	33	211.60	217.28	2.68	OK
10	210.87	222.57	5.55	OK	34	216.98	220.42	1.59	OK
11	215.64	223.89	3.83	OK	35	222.28	215.59	-3.01	OK
12	227.94	222.04	-2.59	OK	36	209.19	220.45	5.38	OK
13	227.93	221.52	-2.81	OK	37	218.48	223.86	2.46	OK
14	227.38	221.33	-2.66	OK	38	224.51	227.05	1.13	OK
15	225.03	225.51	0.21	OK	39	217.47	226.05	3.95	OK
16	230.04	226.85	-1.39	OK	40	224.85	224.89	0.02	OK
17	211.45	215.34	1.84	OK	41	222.39	227.03	2.09	OK
18	216.83	219.08	1.04	OK	42	224.05	218.69	-2.39	OK
19	210.95	223.31	5.86	OK	43	209.81	214.05	2.02	OK
20	210.94	217.02	2.88	OK	44	211.87	225.88	6.61	OK
21	225.08	218.64	-2.86	OK	45	221.24	213.22	-3.63	OK
22	217.68	225.62	3.65	OK	46	221.55	218.73	-1.27	OK
23	227.16	213.16	-6.16	OK	47	217.74	224.84	3.26	OK
24	212.84	225.21	5.81	OK	48	217.44	214.29	-1.45	OK
AVG	219.46	218.86	-0.23	-	R	19.75	11.99	12.06	-
MAX	230.62	225.67	5.55	-	Σ	5.15	3.43	2.49	-
MIN	210.87	213.68	-6.51	-					

Test Result: PASS