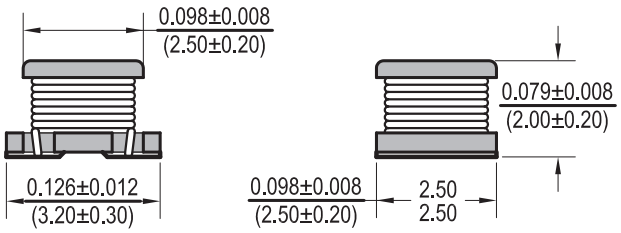
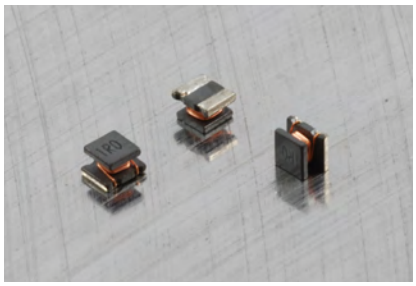
LRHQ20 Low Resistance High Q Chip Inductors

Dimensions: Inches / (mm)





Features

- Miniture chip inductor wound on special ferrite core
- Wide inductance range
- Low DC resistance
- High Q value at high frequencies

Electrical

Inductance Range: 0.1µh ~ 560µh
Tolerance: 20% over entire range also available in tighter tolerances
Operating Temp: -25ºC ~ +85ºC
Rated Current: Max temperature rise 35ºC. Inductance drop 10% typ.
L/Q: Test OSC @ 1V

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 minute.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC ± 5ºC for 10 sec.

Test Equipment

(L): HP4285A @ 1Mhz, HP4192A @ 1Khz
(Q): HP4285A
(RDC): Chen Hwa 502BC
Rated Current: HP4284A + HP42841A
(SRF): HP4286A

Physical

Packaging: 2000 pieces per 7 inch reel.
Marking: EIA Inductance Code

Allied Part Number	Inductance (µh)	Tolerance (%)	Q Min.	L/Q Test Freq.	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current (A)
LRHQ20-R10M-RC	0.10	20	20	1MHz/25.2MHz	200	.025	0.70
LRHQ20-R47M-RC	0.47	20	20	1MHz/1MHz	150	0.06	0.60
LRHQ20-R82M-RC	0.82	20	25	1MHz/1MHz	120	0.25	0.25
LRHQ20-1R0M-RC	1.0	20	20	1MHz/1MHz	100	0.50	.445
LRHQ20-1R2M-RC	1.2	20	20	1MHz/1MHz	100	0.60	.425
LRHQ20-1R5M-RC	1.5	20	20	1MHz/1MHz	75	0.60	0.40
LRHQ20-1R8M-RC	1.8	20	20	1MHz/1MHz	60	0.70	0.39
LRHQ20-2R2M-RC	2.2	20	20	1MHz/1MHz	50	0.80	0.37
LRHQ20-2R7M-RC	2.7	20	20	1MHz/1MHz	43	0.90	0.32
LRHQ20-3R3M-RC	3.3	10	35	1MHz/1MHz	38	1.00	0.30
LRHQ20-3R9K-RC	3.9	10	35	1MHz/1MHz	35	1.10	0.29
LRHQ20-4R7K-RC	4.7	10	35	1MHz/1MHz	31	1.20	0.27
LRHQ20-5R6K-RC	5.6	10	35	1MHz/1MHz	28	1.30	0.25
LRHQ20-6R8K-RC	6.8	10	35	1MHz/1MHz	25	1.50	0.24
LRHQ20-8R2K-RC	8.2	10	35	1MHz/1MHz	23	1.60	.225
LRHQ20-100K-RC	10	10	40	1MHz/1MHz	20	1.80	0.19
LRHQ20-120K-RC	12	10	40	1MHz/1MHz	18	2.00	0.18
LRHQ20-150K-RC	15	10	40	1MHz/1MHz	16	2.20	0.17
LRHQ20-180K-RC	18	10	40	1MHz/1MHz	15	2.50	.165
LRHQ20-220K-RC	22	10	40	1MHz/1MHz	14	2.80	.150
LRHQ20-270K-RC	27	10	40	1MHz/1MHz	13	3.10	1.25
LRHQ20-330K-RC	33	10	40	1MHz/1MHz	12	3.50	.115
LRHQ20-390K-RC	39	10	40	1MHz/1MHz	11	3.90	.110
LRHQ20-470K-RC	47	10	40	1MHz/1MHz	11	4.30	.100
LRHQ20-560K-RC	56	10	40	1MHz/1MHz	10	4.90	.085
LRHQ20-680K-RC	68	10	40	1MHz/1MHz	9	5.50	.080
LRHQ20-820K-RC	82	10	40	1MHz/1MHz	8.5	6.20	.070
LRHQ20-101K-RC	100	10	40	1MHz/796KHz	8.0	7.00	.080
LRHQ20-121K-RC	120	10	40	1MHz/796KHz	7.5	8.00	.075
LRHQ20-151K-RC	150	10	40	1MHz/796KHz	7.0	9.30	.070
LRHQ20-181K-RC	180	10	40	1MHz/796KHz	6.0	10.2	.065
LRHQ20-221K-RC	220	10	40	1MHZ/796KHz	5.5	11.8	.065
LRHQ20-271K-RC	270	10	40	1MHz/796KHz	5.0	12.5	.065
LRHQ20-331K-RC	330	10	40	1MHz/796KHz	5.0	13.0	.065
LRHQ20-391K-RC	390	10	50	1MHz/796KHz	5.0	22.0	.050
LRHQ20-471K-RC	470	10	50	1MHz/796KHz	5.0	25.0	.045
LRHQ20-561K-RC	560	10	50	1MHz/796KHz	5.0	28.0	.040

All specifications subject to change without notice.