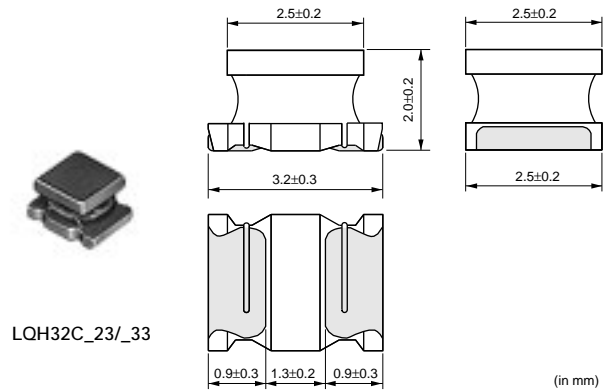


LQH32C series consists of miniature chip coils with low DC resistance, high current capacity, and high impedance characteristics. These features are made possible by the development of Murata's innovative automatic winding techniques.



■ Features (LQH32C_23/_33)

1. Low DC resistance, high rated current and high inductance. Inductance : 0.15 to 560 micro H.
2. The series exhibits low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.
3. The series has excellent solder heat resistance. Both flow and reflow soldering methods can be employed.

LQH32C_23 Series

Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (min.) (MHz)	EIA
LQH32CN1R0M23	1.0 ±20%	1MHz	800	0.09 ±30%	96	1210
LQH32CN2R2M23	2.2 ±20%	1MHz	600	0.13 ±30%	64	1210
LQH32CN4R7M23	4.7 ±20%	1MHz	450	0.2 ±30%	43	1210
LQH32CN100K23	10 ±10%	1MHz	300	0.44 ±30%	26	1210
LQH32CN220K23	22 ±10%	1MHz	250	0.71 ±30%	19	1210
LQH32CN470K23	47 ±10%	1MHz	170	1.3 ±30%	15	1210
LQH32CN101K23	100 ±10%	1MHz	100	3.5 ±30%	10	1210
LQH32CN221K23	220 ±10%	1MHz	70	8.4 ±30%	6.8	1210
LQH32CN331K23	330 ±10%	1MHz	60	10 ±30%	5.6	1210
LQH32CN391K23	390 ±10%	1MHz	60	17 ±30%	5	1210
LQH32CN471K23	470 ±10%	1kHz	60	19 ±30%	5	1210
LQH32CN561K23	560 ±10%	1kHz	60	22 ±30%	5	1210

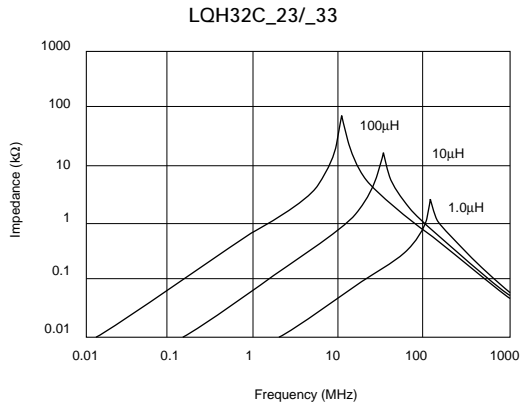
Operating Temp. Range : -25°C to +85°C

LQH32C_33 Series (Low DC Resistance Type)

Part Number	Inductance (μH)	Test Frequency (MHz)	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (min.) (MHz)	EIA
LQH32CNR15M33	0.15 ±20%	1	1450	0.028 ±30%	400	1210
LQH32CNR27M33	0.27 ±20%	1	1250	0.034 ±30%	250	1210
LQH32CNR47M33	0.47 ±20%	1	1100	0.042 ±30%	150	1210
LQH32CN1R0M33	1.0 ±20%	1	1000	0.06 ±30%	100	1210
LQH32CN2R2M33	2.2 ±20%	1	790	0.097 ±30%	64	1210
LQH32CN4R7M33	4.7 ±20%	1	650	0.15 ±30%	43	1210
LQH32CN100K33	10 ±10%	1	450	0.3 ±30%	26	1210

Operating Temp. Range : -25°C to +85°C

■ Impedance-Frequency Characteristics



■ Inductance-Current Characteristics

