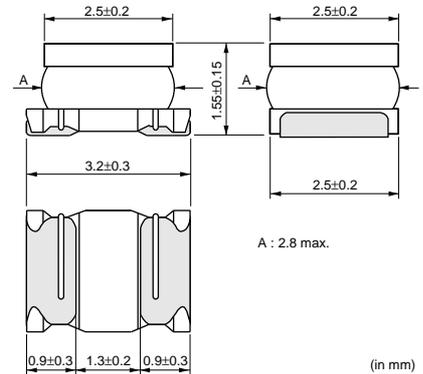


## LQH32C\_53 Series (Low Profile Type)

LQH32C\_53 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 winding techniques. They are excellent for use as choke coils in DC power supply circuits. The LQH32C\_53 series has achieved max 1.7mm height and high rated current.



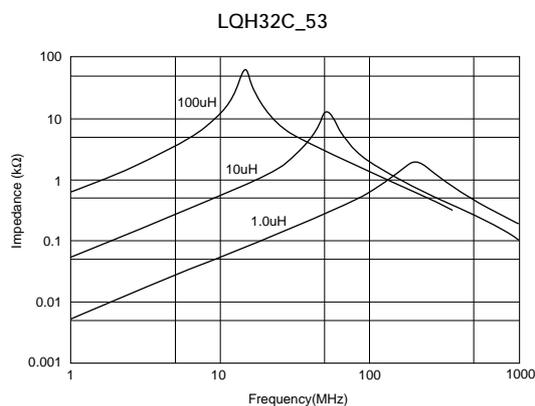
### ■ Features

1. The series has a wide inductance range of 1.0 to 100 micro H.
2. The series exhibit 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.

Part Number	Inductance (μH)	Test Frequency (MHz)	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (min.) (MHz)	EIA
LQH32CN1R0M53	1.0 ±20%	1	1000	0.060 ±30%	100	1210
LQH32CN2R2M53	2.2 ±20%	1	790	0.097 ±30%	64	1210
LQH32CN4R7M53	4.7 ±20%	1	650	0.15 ±30%	43	1210
LQH32CN100K53	10 ±10%	1	450	0.30 ±30%	26	1210
LQH32CN150K53	15 ±10%	1	300	0.58 ±30%	26	1210
LQH32CN220K53	22 ±10%	1	250	0.71 ±30%	19	1210
LQH32CN330K53	33 ±10%	1	200	1.1 ±30%	17	1210
LQH32CN470K53	47 ±10%	1	170	1.3 ±30%	15	1210
LQH32CN680K53	68 ±10%	1	130	2.2 ±30%	12	1210
LQH32CN101K53	100 ±10%	1	100	3.5 ±30%	10	1210

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

### ■ Impedance-Frequency Characteristics



### ■ Inductance-Current Characteristics

