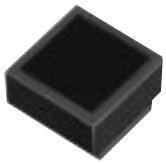
CHIP COILS

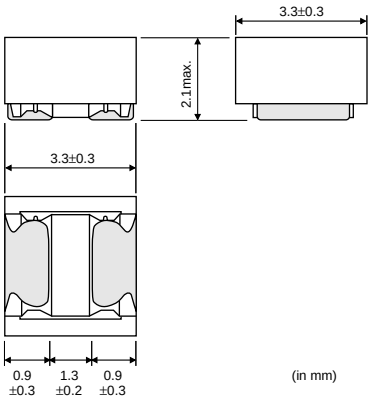
for Choke Magnetic Shielded Type LQH3KS Series

LQH3KS_23 Series

■ Features

1. Low profile dimension (2.1mm max.) and small size of 1212 (3.3x3.3mm) is suitable for portable equipment.
2. The series have low DC Resistance.
3. LQH3KS series have large inductance of 560 micro H to 2200 micro H.
4. Magnetically shielded structure prevents interference occurring between peripheral components.
5. Lead is not contained in the products.

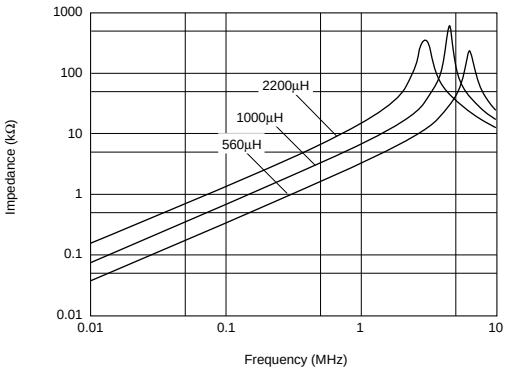




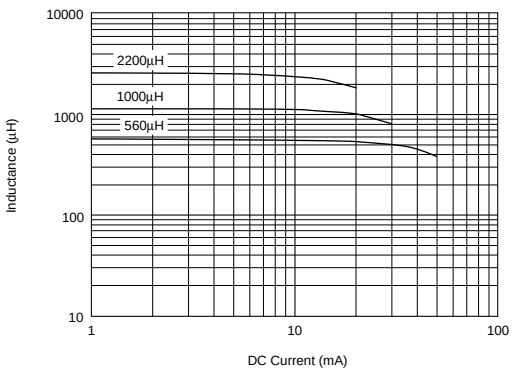
Part Number	Inductance (μH)	Test Frequency (kHz)	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH3KSN561N23	560 ±30%	100	50	7.8 ±30%	3.0 min.	1212
LQH3KSN681N23	680 ±30%	100	40	9.1 ±30%	2.6 min.	1212
LQH3KSN102N23	1000 ±30%	10	30	11 ±30%	2.1 min.	1212
LQH3KSN152N23	1500 ±30%	10	25	23 ±30%	1.7 min.	1212
LQH3KSN222N23	2200 ±30%	10	20	28 ±30%	1.5 min.	1212

Operating Temp. Range : -25°C to 85°C

■ Impedance-Frequency Characteristics



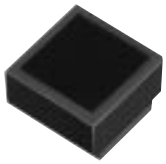
■ Inductance-Current Characteristics

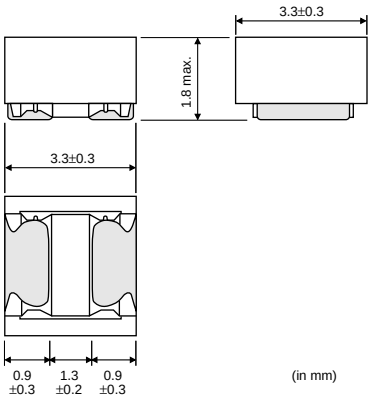


10

LQH3KS_53 Series (Low Profile Type)

LQH3KS_53 series is miniature chip inductor with high current capacity and low DC resistance. These features are achieved by Murata's innovative winding technology.





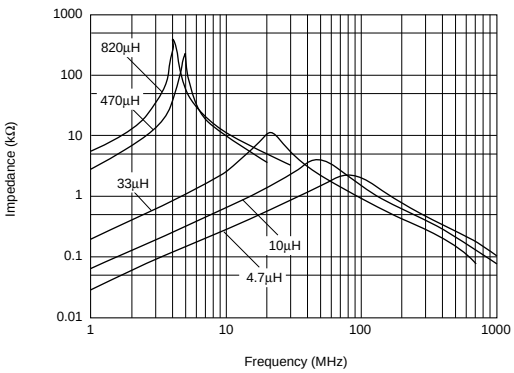
■ Features

1. Low profile(1.8mm max.) and small size(3.3x3.3mm)
2. The series has large inductance of 3.3 to 820 micro H.
3. Low DC resistance
4. Lead is not contained in the products.

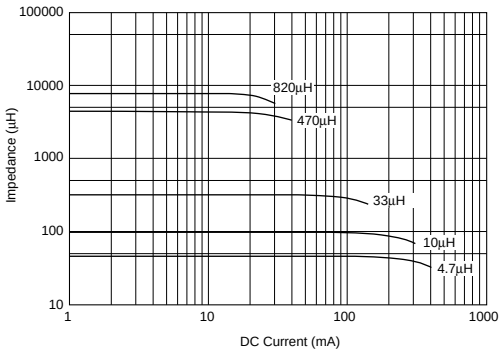
Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH3KSN3R3N53	3.3 ±30%	1MHz	320	0.07 ±30%	50 min.	1212
LQH3KSN4R7N53	4.7 ±30%	1MHz	260	0.09 ±30%	42 min.	1212
LQH3KSN6R8N53	6.8 ±30%	1MHz	210	0.10 ±30%	35 min.	1212
LQH3KSN100N53	10 ±20%	1MHz	180	0.17 ±30%	28 min.	1212
LQH3KSN220N53	22 ±20%	1MHz	120	0.40 ±30%	19 min.	1212
LQH3KSN330N53	33 ±20%	1MHz	100	0.50 ±30%	16 min.	1212
LQH3KSN471N53	470 ±20%	100kHz	30	6.90 ±30%	4.2 min.	1212
LQH3KSN561N53	560 ±20%	100kHz	30	7.60 ±30%	3.8 min.	1212
LQH3KSN821N53	820 ±20%	100kHz	20	15.5 ±30%	3.2 min.	1212

Operating Temp. Range : -25°C to 85°C

■ Impedance-Frequency Characteristics



■ Inductance-Current Characteristics



10