

SMD HIGH CURRENT FLAT WIRE COMMON MODE CHOKE

SQS1212 SERIES



FEATURES:

- Compact size, low DCR, low leakage due to square core.
- High permeability material, High impedance at low frequency.
- High attenuation to noise, due to low stray capacitance.
- Flammability tested to UL 94 V-0.
- Low cost, high consistency with automated production.
- RoHS, REACH compliance, Halogen free available.

APPLICATIONS:

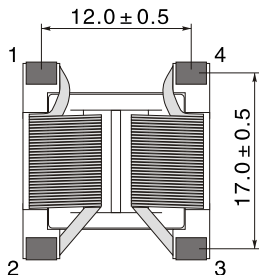
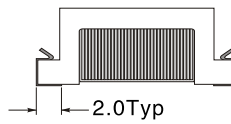
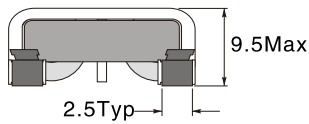
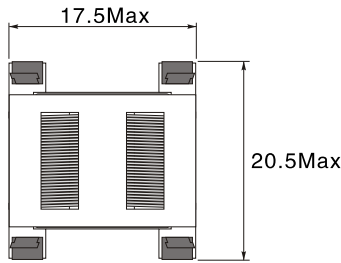
- Solutions for use in a wide array of power supply circuits.
- High density switching mode power supply devices.
- Ideal for use in consumer electronics and industrial applications: LCD TV, Battery chargers, Power Adapter, Home appliances.
- Space saving for existing Common Mode Chokes.

ELECTRICAL CHARACTERISTICS:

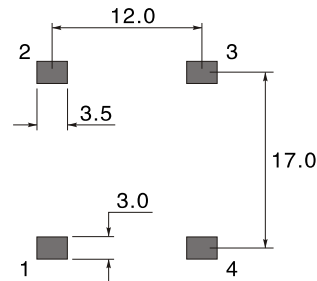
Part Number	Inductance (mH)Min	Common mode peak impedance (kΩ)	Leakage inductance (uH)Max	DCR (mΩ) Max	Rated current (A)Max
SQS1212-801Y	0.8	9.06@3.73MHz	80	25	3.6
SQS1212-102Y	1.0	14.12@2.9MHz	100	36	3.0
SQS1212-152Y	1.5	22.67@2.15MHz	115	52	2.5
SQS1212-252Y	2.5	31.51@2.48MHz	130	95	1.8
SQS1212-302Y	3.0	44.31@2.31MHz	130	115	1.5
SQS1212-362Y	3.6	47.1@1.96MHz	140	158	1.2
SQS1212-502Y	5.0	66.55@1.84MHz	150	216	1.0
SQS1212-682Y	6.8	81.25@1.32MHz	180	315	0.8
SQS1212-952Y	9.5	123.34@0.95MHz	210	500	0.6

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
- DCR: QuadTech 1880 Milliohm meter
- Rated voltage: 80VAC- 280VAC
- High withstanding voltage between windings: 2400VAC /60 sec.
- High Insulation resistance 100MΩ Min @ 500VDC between windings.
- Operating temperature: -40°C ~ +125°C (Including coil temperature rise).
- Storage temperature: -40°C ~ +85°C.
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E

IMPEDANCE VS FREQUENCY:

