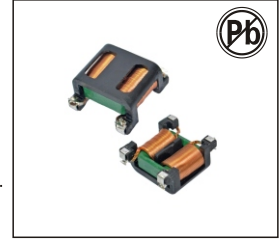


SMD HIGH CURRENT FLAT WIRE COMMON MODE CHOKE

SQS1212HP 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:

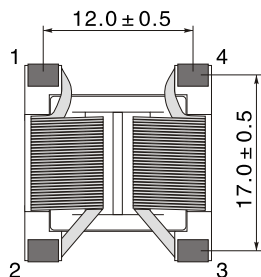
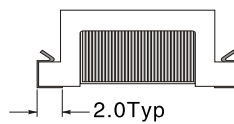
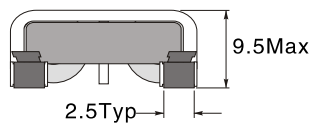
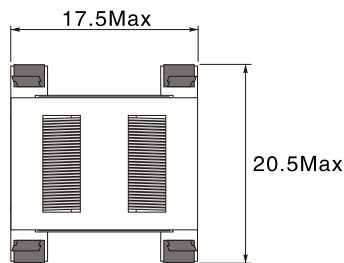
- Solutions for use in a wide array of power supply circuits.
- High density switching mode power supply devices.
- Ideal for use in consumer electronics and industrial applications: LCD TV, Battery chargers, Power Adapter, Home appliances.
- Space saving for existing Common Mode Chokes.

ELECTRICAL CHARACTERISTICS:

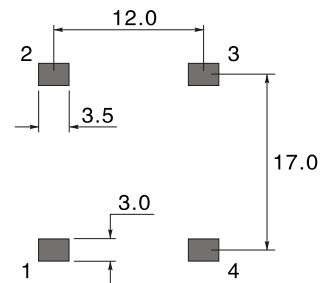
Part Number	Inductance (mH)Min	Common mode peak impedance (k Ω)	Leakage inductance (uH)Max	DCR (m Ω) Max	Rated current (A)Max
SQS1212HP-182Y	1.8	5.98@2.69MHz	120	25	3.6
SQS1212HP-252Y	2.5	7.37@2.56MHz	130	36	3.0
SQS1212HP-362Y	3.6	11.72@2.34MHz	140	52	2.5
SQS1212HP-582Y	5.8	17.69@2.23MHz	160	95	1.8
SQS1212HP-702Y	7.0	19.62@2.15MHz	200	115	1.5
SQS1212HP-852Y	8.5	26.22@2.01MHz	200	158	1.2
SQS1212HP-123Y	12.0	32.44@1.55MHz	230	216	1.0
SQS1212HP-153Y	15.0	39.25@1.15MHz	280	315	0.8
SQS1212HP-223Y	22.0	57.64@0.85MHz	360	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 100M Ω Min @ 500VDC between windings.
- Operating temperature: -40 $^{\circ}$ C ~ +125 $^{\circ}$ C (Including coil temperature rise).
- Storage temperature: - 40 $^{\circ}$ C ~ +85 $^{\circ}$ C.
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260 $^{\circ}$ C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E

IMPEDANCE VS FREQUENCY:

