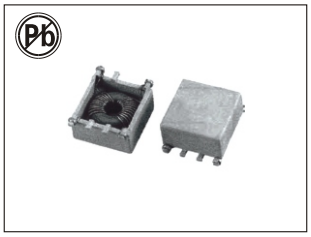


SMD LINE FILTER

STR0602 SERIES

FEATURES:

- Compact design.
- Single layer winding for minimum capacitance.
- Meets UL 94V–0 flammability standard.
- Available on tape and reel for auto surface mounting.

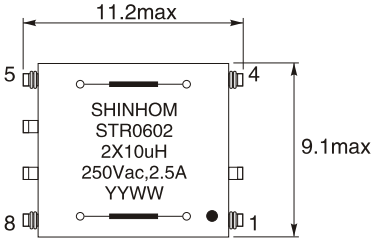
APPLCATIONS:

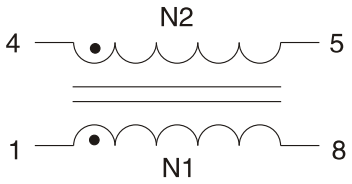
- EMI filters.
- Personal computers.
- Communication equipment.

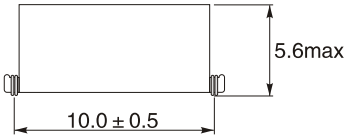
ELECTRICAL CHARACTERISTICS:

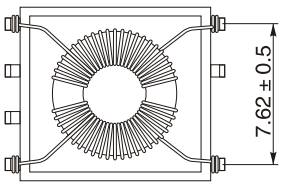
Part Number	L1=L2(uH) @10KHz,0.1V ±30%	DCR (winding) (mΩ) max.	Rated Current (A)max.
STR0602–100N	10	25	2.5
STR0602–150N	15	40	2.0
STR0602–200N	20	70	1.5
STR0602–121N	120	25	2.5
STR0602–201N	200	40	2.0
STR0602–301N	300	70	1.5

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

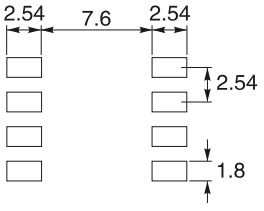








Bottom view

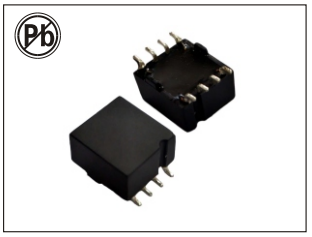


Layout recommendation

- IDC Max:Determined when superimposed
- Inductance test: HP4284A 10KHz 0.1V
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –25℃ to +105℃
- Storage Temperature: –25℃ to +105℃
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Date

Note:All specifications subject to change without notice.

SMD LINE FILTER
STR0603 SERIES



FEATURES:

- SMD Housing
- High Frequency Design
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

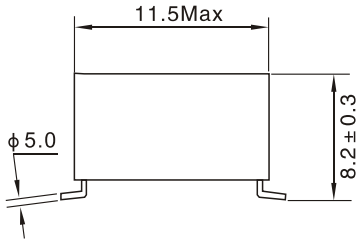
COMMON APPLICATIONS:

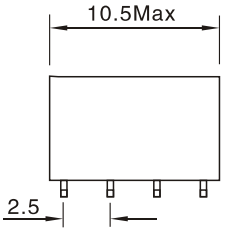
- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

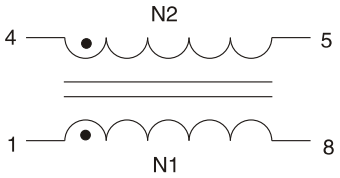
ELECTRICAL CHARACTERISTICS:

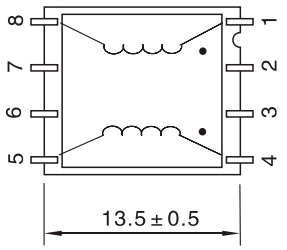
Part Number	L mH	Test Freq KHz	DCR Ω Max	IDC A Max
STR0603–102Y	1.0	1	0.82	0.5
STR0603–501Y	0.5	1	0.45	0.6
STR0603–221Y	0.22	1	0.22	0.8
STR0603–151Y	0.15	1	0.15	1.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

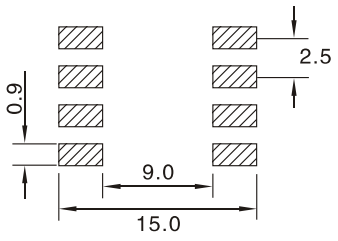








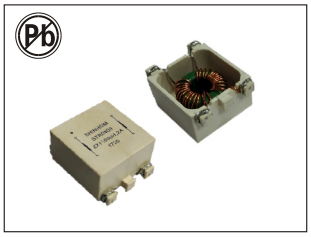
Bottom view



Layout recommendation

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.



SMD LINE FILTER

STR0903 SERIES

FEATURES:

- Approx. 0.8% stray inductance for differential–mode interference suppression
- Suitable for reflow soldering
- Design complies with EN 60938–2 (VDE 0565–2)
- RoHS–compatible

OPTIONS:

- Tape & Reel is Standard (Qty:350pcs)
- Bulk packaging Available for Smaller Quantities

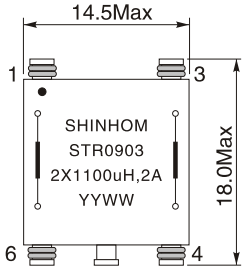
COMMON APPLCATIONS:

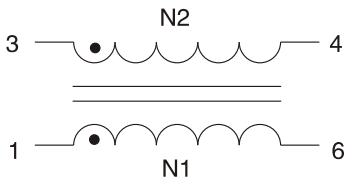
- Suppression of common–mode interferences
- Compact electronic ballasts in lamps
- Compact switch–mode power supplies

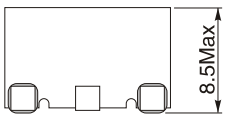
ELECTRICAL CHARACTERISTICS:

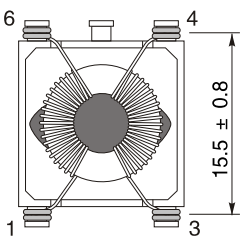
Part Number	L(1–6)(mH) @10KHz,0.1V +50%/–30%	LK(1–6)(uH) @10KHz,0.1V (4–5 short)max.	DCR (winding) (mΩ) max.	Rated Current (A)max.	Hi–Pot Vac,2S
STR0903–112Y	1.1	6	65	2.0	1500
STR0903–162Y	1.6	10	110	1.5	1500
STR0903–302Y	3.0	20	220	1.0	1500
STR0903–442Y	4.4	30	400	0.6	1500
STR0903–123Y	12	80	1100	0.3	1500
STR0903–223Y	22	130	1500	0.3	1500

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



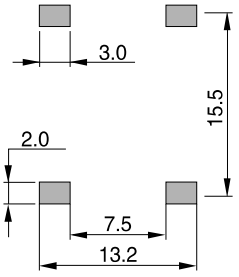






Bottom view

Layout recommendation

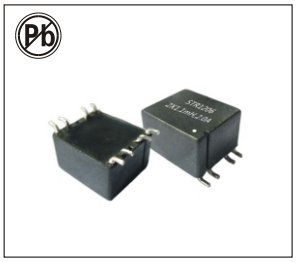


- Operating voltage: 250Vac
- IDC Max:Determined when superimposed
- Inductance test: HP4284A 10KHz 0.1V
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Temperature rise 40℃ Max
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Date

Note:All specifications subject to change without notice.

COMMON MODE POWER LINE CHOKE

STR1206 SERIES



FEATURES:

- Approx. 0.7% stray inductance for differential–mode interference suppression
- Suitable for reflow soldering
- Design complies with EN 60938–2 (VDE 0565–2) and UL 1283
- RoHS–compatible

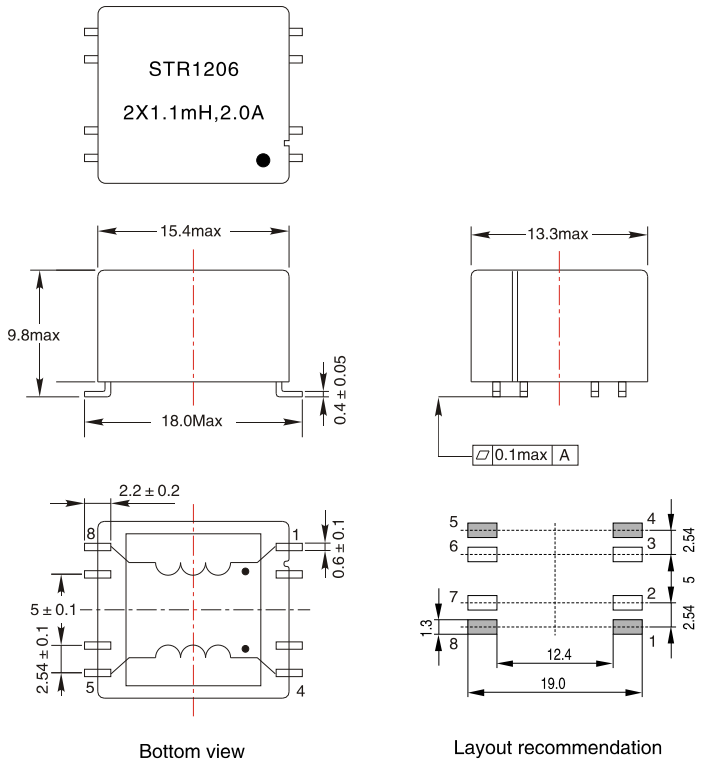
APPLICATIONS:

- Suppression of common–mode interferences
- Compact switch–mode power applications
- Compact electronic ballasts in lamps

ELECTRICAL CHARACTERISTICS:

Part Number	L(mH) +50%/–30%	Lk(uH) Typ	Rated Current (A)	RDC(mΩ) Max
STR1206–112Y	1.1	6	2.0	65
STR1206–162Y	1.6	10	1.5	110
STR1206–302Y	3.0	20	1.0	220
STR1206–442Y	4.4	30	0.6	400
STR1206–123Y	12	80	0.3	1100
STR1206–223Y	22	130	0.3	1500

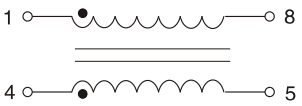
PHYSICAL CHARACTERISTICS:



Bottom view

Layout recommendation

Winding



Notes:

Rated voltage.....250Vac

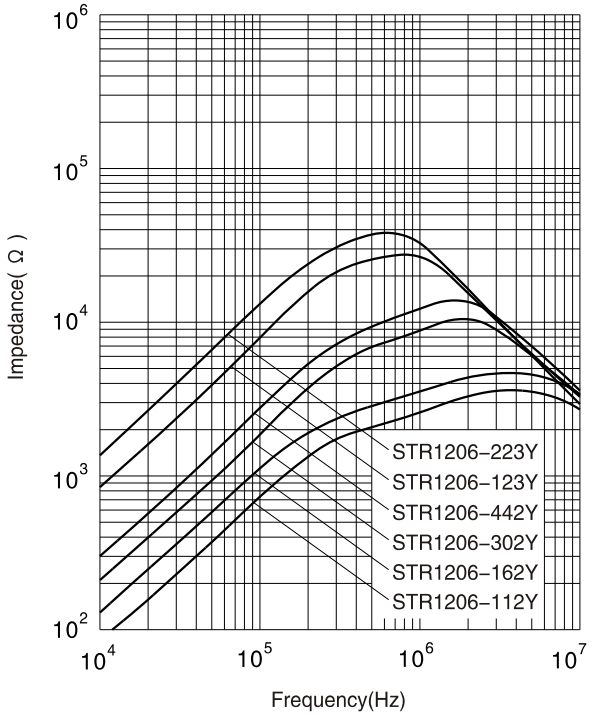
Frequency.....50/60Hz

Insulation test voltage..... 1500V

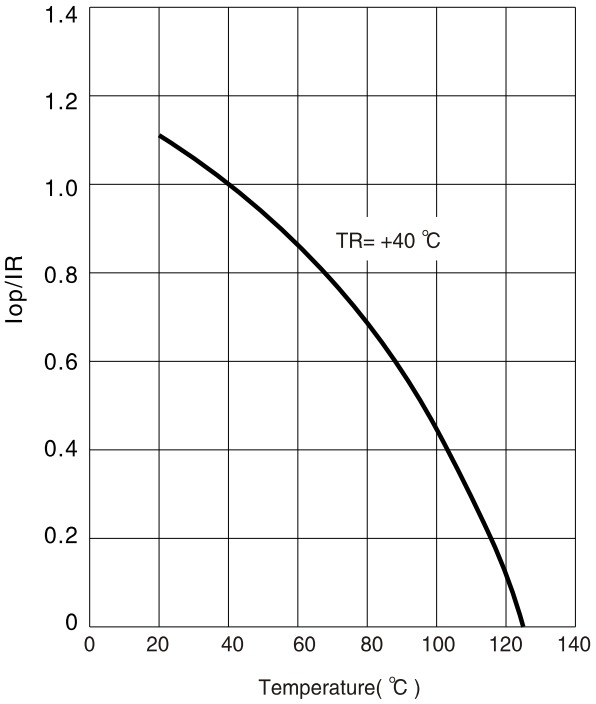
Operating temperature.....–25 ℃ to +125 ℃

Housing..... UL94 V–0

Impedance |Z| versus frequency F
measured with windings in parallel at +20℃
typical values



Current derating Iop/IR
versus ambient temperature TA



COMMON MODE CHOKE COIL

STR804 SERIES

FEATURES:

- Wire wound constructure common mode choke with best EMI suppression effect high impedance but very high rated current and low DCR.

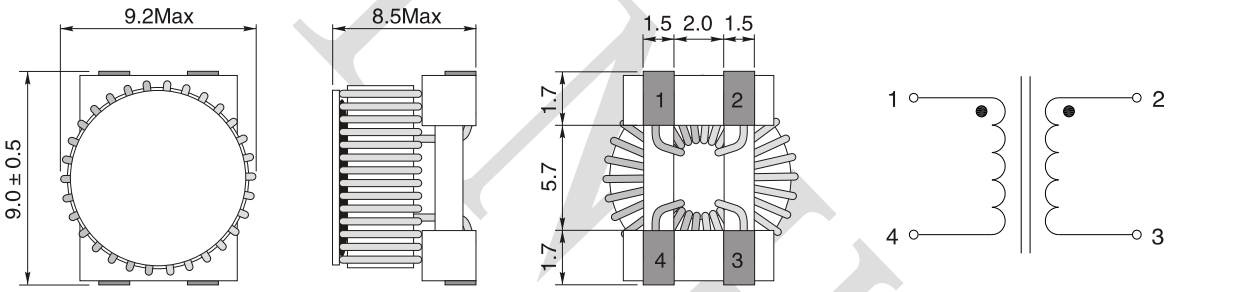
APPLICATIONS :

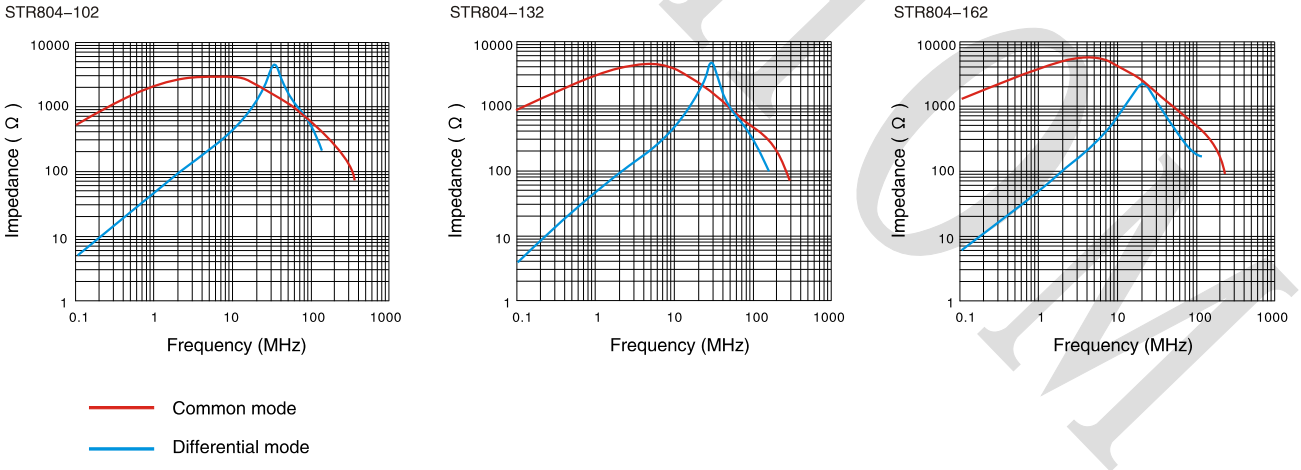
- Preventive measure against common mode noise radiation emissions from power line or else.
- Best for high current circuit such as car, wireless charging and power device design.

ELECTRICAL CHARACTERISTICS@25℃

Part Number	Impedance (Ω)Ref N1=N2	Test frequency	DCR (mΩ)Max	IDC (A)Max
STR804–102	1000	100KHz/0.25V	100	2.5
STR804–132	1300	100KHz/0.25V	115	2.4
STR804–162	1600	100KHz/0.25V	130	2.3

PHYSICAL CHARACTERISTICS & WINDING





Note:

- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds

Note:All specifications subject to change without notice.