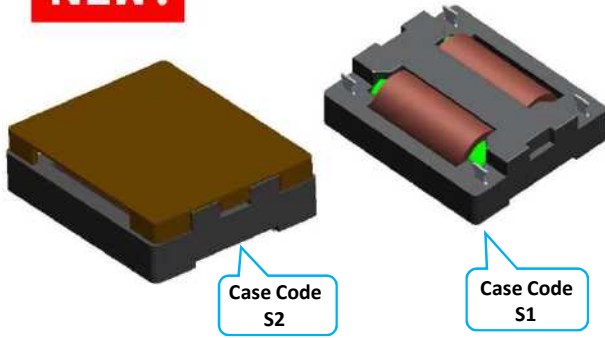


NEW!



Features :

- ◆ Rated voltage : 80VAC- 280VAC;
- ◆ Compact size, low DCR, low leakage flux due to Square core construction.
- ◆ Using high permeability material ,High impedance at low frequency band.
- ◆ There is no danger of layer short for the single-layer rolling.
- ◆ High attenuation to the normal mode noise, due to low stray capacitance.
- ◆ Withstanding Voltage between windings : 2000VAC / 60 sec.
- ◆ Insulation resistance $\geq 100M\Omega@ 500VDC$ between windings.
- ◆ Flammability corresponding to UL 94 V-0.
- ◆ Low cost, high consistency due to automated production.



Environmental Data :

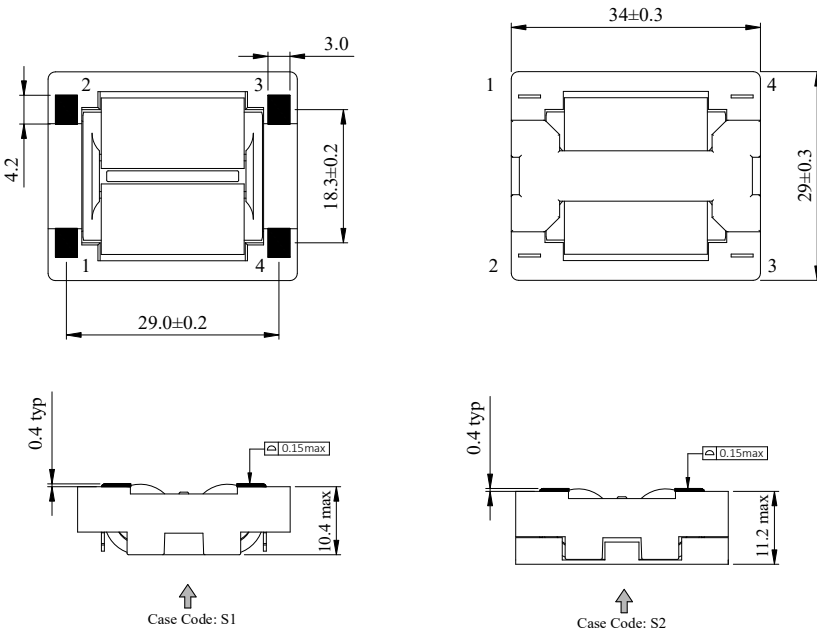
- ◆ Operating temperature: $-40^{\circ}C \sim +125^{\circ}C$, (Including coil's self temperature rise).
- ◆ Storage temperature: $-40^{\circ}C \sim +85^{\circ}C$.
- ◆ RoHS ,REACH compliance ,Halogen free available.

Applications :

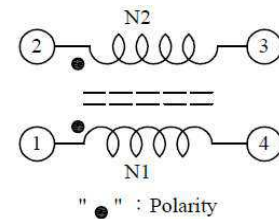
- ◆ Solutions for use in a wide array of power line circuits.
- ◆ Switching mode power supply devices.
- ◆ Ideal for use in consumer electronics and industrial applications: LCD TV, OA equipment, Battery chargers, Power Adapter, Home electric appliances...
- ◆ Perfect replace of conventional Common Mode Chokes.

Dimensions & Shape : [mm]

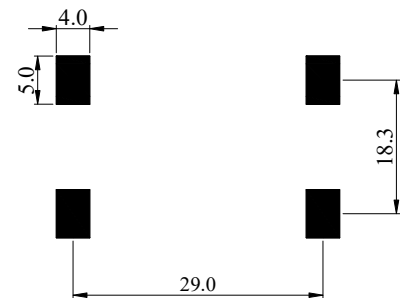
Horizontal type | Case Code: S1 & S2



Circuit Diagram :



Recommed Land Pattern : [mm]



Product Identification :

SSQ 24L - HA S1 - 183 S

①	②	③	④	⑤	⑥
Product type	External Dimensions	Internal control code	Mounting & Directions	Inductance value in uH	Inductance Tolerance
surface mount, square core, flat wire, common mode choke	24L: L*W*H [mm] 29.8*27.5*10.0mm	Design code	Horizontal type, SMD mounting and case code	183=18.0 mH 602=6.0 mH 451=0.45 mH	N: ±30%; P: ±25% M: ±20%; L: ±15% K: ±10%; J: ±5% S: minimum value

NEW!

Part Number	Inductance (Ls) ^① (mH / Line) Min.	Common mode ^② peak impedance (KΩ)	Inductance Balance L _{S1} -L _{S2} (μ H) Max.	DCR ^③		Rated ^④ Current (A) Max.
				(mΩ/ Line)	(mΩ/ Line)	
				Typ.	Max.	
SSQ24L-HAS1-703S	70.0	149.53 @ 0.38 MHz	1000	505	595	1.0
SSQ24L-HAS1-363S	36.0	76.28 @ 0.54 MHz	550	265	318	1.5
SSQ24L-HAS1-223S	22.0	46.82 @ 0.68 MHz	320	165	198	2.0
SSQ24L-HA1S1-223S	22.0	46.46 @ 0.62 MHz	320	109	132	3.0
SSQ24L-HAS1-153S	15.0	33.57 @ 0.79 MHz	260	79	96	3.8
SSQ24L-HAS1-113S	11.0	22.02 @ 0.92 MHz	225	57	68	4.5
SSQ24L-HAS1-852S	8.5	20.47 @ 1.01 MHz	200	37	45	5.2
SSQ24L-HAS1-642S	6.4	15.21 @ 1.23 MHz	180	30	37	6.0
SSQ24L-HAS1-452S	4.5	10.75 @ 1.46 MHz	150	22	27	7.5
SSQ24L-HAS1-382S	3.8	8.97 @ 1.61 MHz	140	19	24	8.2
SSQ24L-HAS1-302S	3.0	6.46 @ 1.72 MHz	130	15	20	9.0
SSQ24L-HAS1-242S	2.4	5.92 @ 1.82 MHz	130	12	16	10.0

* Custom design are available upon requested.

1. Inductance shown for each winding, measured at: 10kHz, 0.1Vrms,0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Common mode impedance measured by Agilent 4294A or WAYNE KERR 6500B or equivalent.
3. DC Resistance is for each winding. All of electrical specifications measured at 25°C.
4. Rated current that causes a 40°C temperature rise from 25°C ambient. This information is for reference only, the actual temperature rise depends on the condition of your circuit and the heat dissipation conditions.
5. Dielectric strength : 2400 Vac / 60 seconds between winding to winding.
6. Insulation resistance ≥100MΩ @500Vdc between winding to winding.
7. Standard packing : Tape and Reel, 100 pcs / 13" reel or plastic tray.

Impedance Characteristics :

