Sunlord
expert in e components

Sunlord Power Inductor Lineup

Ferrite Material

Multilayer Technology

MCL-A Series

Size: LxWxH(mm)
2.0x1.25x0.85-2.5x2.0x0.9

Inductance: 1.0-4.7μH
Rated Current: 0.1-0.9A
Features:
- Choke circuits in DC power line

MPH Series

Size: LxWxH(mm)
1.6x0.8x0.5-2.5x2.0x1.2

Inductance: 0.22-10μH
Rated Current: 0.06-1.35A
Features:
- No cross coupling due to magnetic shield
- Excellent soiderability and high heat resistance

MPHM Series

Size: LxWxH(mm)
1.6x0.8x1.0

Inductance: 1.0-10μH
Rated Current: 0.22-0.75A
Features:
- With mark on body
- No cross coupling due to magnetic shield
- Excellent soiderability and high heat resistance

Wire Wound Coating Technology

SWPA Series

Size: LxWxH(mm)
2.5x2.0x1.0-8.0x8.0x6.5

Inductance: 0.22-680μH
Rated Current: 0.14-7.5A
Features:
- DC-DC converter circuits for smart phone, TV, STB, NB, VR, AR, LED

SPH Series

Size: LxWxH(mm)
2.0x1.6x1.0-4.0x4.0x3.0

Inductance: 0.05-330μH
Rated Current: 0.2-4.2A
Features:
- DC-DC converter circuits for smart phone, portable gaming devices, personal multimedia devices

MWPH Series

Size: LxWxH(mm)
1.1x0.6x0.6-1.65x1.0x1.0

Inductance: 0.33-22μH
Rated Current: 100-900mA
Features:
- High frequency, large inductance and current, low DCR

MWPU Series

Size: LxWxH(mm)
1.1x0.6x0.6-1.65x1.0x1.0

Inductance: 0.33-22μH
Rated Current: 100-900mA
Features:
- High frequency, large Inductance and current, low DCR

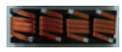
Assembling Technology

WPZ Series

Size: LxWxH(mm)
4.0x4.1x4.0-11.4x18x3.0

Inductance: 0.022-1μH
Rated Current: 15-194A
Features:
- High saturated current
- Compliant to intel VR series platforms for server, desktop, notebook, TLVR series assure the insulation voltage(100Vdc/2S/2mA)

WPE Series



Size: LxWxH(mm)
7.2x7.2x3.0-63.7x30.0x28.3

Inductance: 1-100μH
Rated Current: 1.7-110A
Features:
- Polyphase coupled inductors
- High saturation current and low loss

Metal Material

Wire Wound Coating Technology

WPN Series

Size: LxWxH(mm)
2.0x1.6x1.0-4.0x4.0x2.0

Inductance: 0.12-22μH
Rated Current: 0.65-8.2A
Features:
- Large current and low DCR

WPG Series

Size: LxWxH(mm)
2.0x1.25x1.0-2.5x2.0x1.0

Inductance: 0.11-4.7μH
Rated Current: 1.6-5.5A
Features:
- Flat coil
- Low DCR decreases power loss

Molding Technology

MWTC Series

Size: LxWxH(mm)
1.4x1.2x0.65-2.5x2.0x1.0

Inductance: 0.11-10μH
Rated Current: 0.95-6.4A
Features:
- Small size, large current and low DCR

MWSA-S Series

Size: LxWxH(mm)
4.2x4.4x1.2-23.5x22.0x12.6

Inductance: 0.1-100μH
Rated Current: 0.9-63A
Features:
- Uitra-high current and low DCR

MWLA-S Series

Size: LxWxH(mm)
3.0x2.0x1.8-17.7x17.7x6.5

Inductance: 0.12-150μH
Rated Current: 1.9-68A
Features:
- Ultra-high current and low DCR

MWFC-S Series

Size: LxWxH(mm)
4.1x4.1x1.9-16.5x15.5x12.7

Inductance: 0.1-33μH
Rated Current: 3-29.5A
Features:
- Ultra-high current, low DCR, low loss

Transfer Molding Technology

WT Series

Size: LxWxH(mm)
2.0x1.6x1.2-12.5x12.5x3.0

Inductance: 0.08-15μH
Rated Current: 1.27-27A
Features:
- Uitra-high current and high reliability
- Good for power modules and high-end application

Co-fired Technology

HTF Series

Size: LxWxH(mm)
7.0X4.0x1.5-12.8x8.2x4.0

Inductance: 50-220nH
Rated Current: 6-63A
Features:
- High efficiency, Low profile
- Ultra-high current and high reliability
- Capable for IO line and multi-phase type
- Good for power modules and high-end application in Server and GPU

Assembling Technology

WPZ Series

Size: LxWxH(mm)
14.8X9.7x7.2; 9.5x6.75x7.3

Inductance: 60-180nH
Rated Current: 50-150A
Features:
- High saturated current
- Compliant to Intel VR series platforms for server, desktop, notebook