COMMON & DIFFERENTIAL MODE CHOKE

Common-Mode Choke coils & Differential Mode Choke coils are widely used in preventing noise to switching power supplies in removing conductive noise generated by TV,VCR, CD/DVD player and other equipment. We supply filters of stable quality in the various series in characteristics,shapes, etc.using high-performance ferrite core,iron powder core, sendust core,Hi Flux core,MPP core & Amorphous core.

APPLICATIONS:

Video equipment such as TV's and VCR's,office automation equipment,audio equipment,communication equipment, measuring instruments,motors and other equipment.

FEATURES:

- Compactness and low price.
- Excellent frequency characteristics.
- Heat dispersion making them suitable for applications with larger current
- Higher attenuations characteristics.
- High dielectric withstand satisfies safety standards.
- UL Approved insulation material used.
- High inductance & Impedance.
- Low Leakage.
- Higher dielectric resistances

GENERAL CHARACTERISTIC:

- Inductance Range:
  1mH to 50mH or above (Common Mode)
  10uH to 1mH or above(Differential Mode)
- Rated Voltage:AC 100-250V 50/60Hz
- Rated Current:AC 0.1A rms to 30A rms+
- Dielectric Strength:AC/DC 500V to 4000V

RoHS REACH

Additional information:
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New approvals may be required.

Add: 4th Floor, Lie Sheng Building, Yu Yue Village , San Zao Town
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SH-RF SERIES 1814 2317 2620 3525 3523
THROUGH-HOLE TOROIDAL COMMON MODE CHOKES


FEATURES:

- 0.3A to 10A ratings
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB-mount housing
- Low resistance and temperature rise

- Bulk packaging is standard
- Custom design available

- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

TECHNICAL INFORMATION:

- Inductance tolerance in +50% -30%
- Max operating voltage:250V at 40¡æ
- IDC Max: rating AC/DC current A @40¡æ
- Hi-Pot 2500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:
All specifications subject to change without notice.

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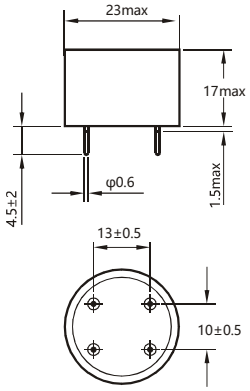
STANDARD SPECIFICATIONS:

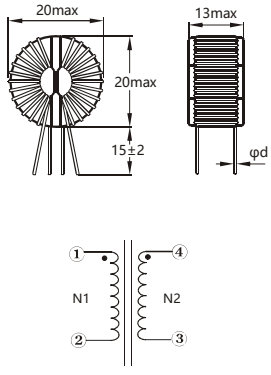
Part Number	Inductance L mH	DCR mΩ Max	IDC Max A	Φd (mm)
SH-RF1814-402Y	4.0	200	1.5	0.51
SH-RF1814-202Y	2.2	100	1.5	0.51
SH-RF1814-102Y	1	120	1.5	0.51
SH-RF1814-102Y	1	75	1	0.41
SH-RF2317-102Y	1.0	120	2.5	0.6
SH-RF2317-801Y	0.8	120	2.5	0.6
SH-RF2317-601Y	0.6	110	2.5	0.6
SH-RF2317-401Y	0.4	100	2.5	0.6
SH-RF2317-201Y	0.2	80	2.5	0.6
SH-RF2620-602Y	6.0	160	1.5	0.51
SH-RF2620-452Y	4.5	150	2	0.53
SH-RF2620-232Y	2.3	100	3	0.69
SH-RF2620-202Y	2	50	4	0.75
SH-RF2620-102Y	1.2	60	5	0.8
SH-RF2620-102Y	1	25	6	0.9
SH-RF2620-601Y	0.6	10	9	1.0
SH-RF2620-301Y	0.3	8	10	1.2
SH-RF3525-303Y	30	220	3.0	0.8
SH-RF3525-143Y	14	220	3.5	0.8

Part Number	Inductance L mH	DCR mΩ Max	IDC Max A	Φd (m m)
SH-RF3525-103Y	10	180	3.5	0.8
SH-RF3525-802Y	8	110	3.5	0.8
SH-RF3525-532Y	5.3	100	4.5	0.8
SH-RF3525-452Y	4.5	50	4	1.0
SH-RF3525-402Y	4	40	8	1.1
SH-RF3525-302Y	3	80	6	0.9
SH-RF3525-232Y	2.3	50	5	0.8
SH-RF3525-102Y	1	20	10	1.3
SH-RF3525-701Y	0.7	8	12	1.5
SH-RF3525-201Y	0.2	6	18	1.8
SH-RF3523-852Y	8.5	110	3	0.8
SH-RF3523-702Y	5	90	5	0.8
SH-RF3523-502Y	2.3	50	3.3	0.8
SH-RF3523-402Y	2	22	6.5	1.0
SH-RF3523-302Y	1.2	21	10	1.3
SH-RF3523-232Y	0.5	5	18	1.8
SH-RF3523-202Y	10	280	2	0.53
SH-RF3523-122Y	7	230	2.5	0.60
SH-RF3523-501Y	3	100	4	0.70

SH-RF2317



SH-RF1814



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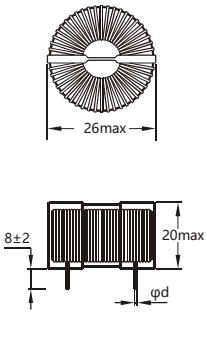

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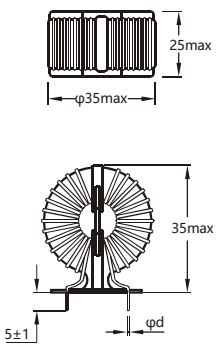

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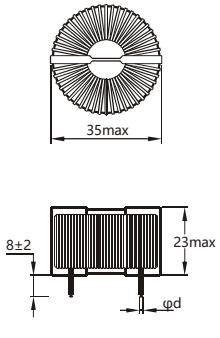

DIMENSIONS IN:mm

Add: 4th Floor, Lie Sheng Building, Yu Yue Village , San Zao Town
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SH-RF SERIES 3518 3622 4525 5230
THROUGH-HOLE TOROIDAL COMMON MODE CHOKES

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FEATURES:

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- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB-mount housing
- Low resistance and temperature rise

- Bulk packaging is standard
- Custom design available

- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

TECHNICAL INFORMATION:

- Inductance tolerance in +50% -30%
- Max operating voltage:250V at 40¡æ
- IDC Max: rating AC/DC current A @40¡æ
- Hi-Pot 2500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

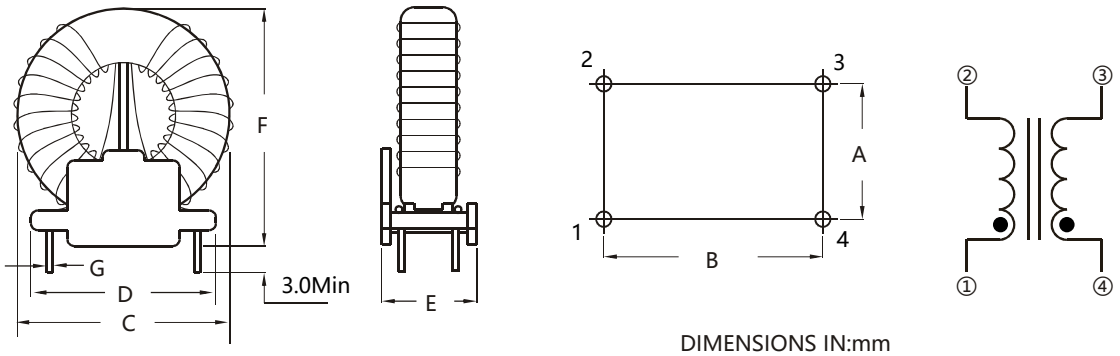
Note:
All specifications subject to change without notice.

5
COMMON CHOKE

STANDARD SPECIFICATIONS:

Part Number	Inductance (mH Min.)	RATED RMS Current Amps	DCR each winding (Ohms Max)	Leakage (μH) Type
SH-RF3518-163Y	16.0	1.5	0.320	180
SH-RF3518-103Y	10.0	2.2	0.240	130
SH-RF3518-802Y	8.0	2.5	0.120	90
SH-RF3518-402Y	4.0	3.5	0.040	45
SH-RF3518-302Y	3.0	6.0	0.030	35
SH-RF3518-202Y	2.0	9..0	0.020	25
SH-RF3518-102Y	1.0	15.0	0.010	12
SH-RF3622-163Y	16.0	2.2	0.40	180
SH-RF3622-103Y	10.0	3.0	0.35	130
SH-RF3622-802Y	8.0	3.5	0.143	85
SH-RF3622-402Y	4.0	5.4	0.105	45
SH-RF3622-302Y	3.0	6.5	0.054	35
SH-RF3622-202Y	2.0	8.7	0.020	25
SH-RF3622-122Y	1.2	15	0.010	12

Part Number	Inductance (mH Min.)	RATED RMS Current Amps	DCR each winding (Ohms Max)	Leakage (μH) Type
SH-RF4525-563Y	56.0	1.8	1.0	550
SH-RF4525-333Y	33.0	2.0	0.730	300
SH-RF4525-223Y	22.0	3.2	0.352	280
SH-RF4525-153Y	15.0	4.2	0.132	150
SH-RF4525-123Y	12.0	6.8	0.098	95
SH-RF4525-502Y	5.0	12	0.035	50
SH-RF4525-302Y	3.0	15	0.009	20
SH-RF5230-124Y	120.0	1.5	1.15	900
SH-RF5230-723Y	72..0	2.6	0.50	600
SH-RF5230-333Y	33.0	4.2	0.124	450
SH-RF5230-223Y	22.0	6.0	0.117	180
SH-RF5230-153Y	15.0	9.0	0.060	180
SH-RF5230-103Y	10.0	15	0.033	120
SH-RF5230-602Y	6.0	18	0.028	100



DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G
SH-RF3518	10.16	20.32	34.3	25.4	17.78	31.52	1.2
SH-RF3622	15.24	22.86	36.83	27.94	22.86	33.5	1.2
SH-RF4525	17.78	30.48	44.45	35.56	25.4	44.7	1.2
SH-RF5230	22.86	38.1	52.07	43.18	30.48	58.0	1.2

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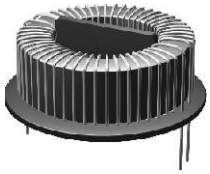
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SH-RF SERIES TRF 2516, 3015, 4222, 5927
COMMON MODE TOROIDS



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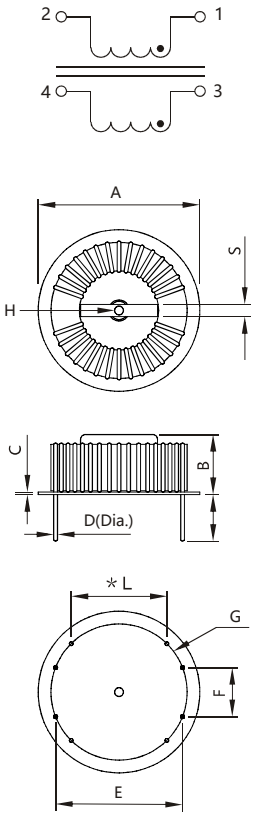
FEATURES:

- Low Profile series common mode toroids meets critical filtering requirements where installation profiles are at a premium.
- UL94-V0 materials used.
  Toroids meet IEC, VDE and CSA specifications.

- Bulk packaging is Standard,Custom available
- Tolerance:10% is standard,tighter tolerances available.

- Power Line Filters
- Suppress EMI in Switch Mode Supplies
- Linear Power Supply Filters

STANDARD SPECIFICATIONS:



* L: standoffs 1.58×0.81-4places

All dimensions in mm

Part No.	A max	B max	C Typ	D (dia)	E	F Typ	G (dia)	S Typ	H dia. ±0.13
SH-RF-2516	25.65	15.95	0.81	see table	20.88	7.62	22.10	3.05	N/A
SH-RF-3015	31.09	14.91	0.81		27.18	8.38	27.94	3.05	N/A
SH-RF-4222	43.43	22.15	0.81		35.92	12.7	38.10	3.05	N/A
SH-RF-5927	58.93	27.23	0.81		52.32	12.7	53.85	3.05	N/A

SH-RF-2516 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) -0±60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
SH-RF-2516-2.7-1	1.0	2.7	0.07	19	0.51
SH-RF-2516-4.7-1	1.0	4.7	0.10	35	0.51
SH-RF-2516-10-1	1.0	10.1	0.12	62	0.51
SH-RF-2516-1.0-1	2.0	1.0	0.026	7.5	0.64
SH-RF-2516-3.9-1	2.0	3.9	0.050	27	0.64
SH-RF-2516-6.8-1	2.0	6.8	0.068	44	0.64

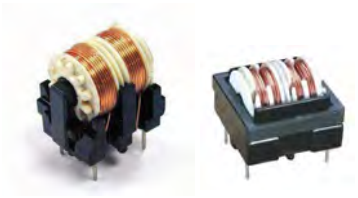
SH-RF-3015 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) -0±60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
SH-RF-3015-4.7-2	2.0	4.7	0.084	56	0.64
SH-RF-3015-8.2-2	2.0	8.2	0.09	59	0.64
SH-RF-3015-15-2	2.0	15.0	0.11	98	0.64
SH-RF-3015-1.2-4	4.0	1.2	0.036	17	0.74
SH-RF-3015-2.2-4	4.0	2.2	0.040	18	0.74
SH-RF-3015-3.9-4	4.0	3.9	0.054	22	0.74

SH-RF-4222 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) -0±60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
SH-RF-4222-18.0-2	2.0	18.0	0.19	209	0.64
SH-RF-4222-27.0-2	2.0	27.0	0.25	375	0.64
SH-RF-4222-56.0-2	2.0	56.0	0.34	604	0.64
SH-RF-4222-8.2-4	4.0	8.2	0.10	96	0.74
SH-RF-4222-15.0-4	4.0	15.0	0.14	179	0.74
SH-RF-4222-6.8-6	6.0	6.8	0.08	7	0.81

SH-RF-5927 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) -0±60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
SH-RF-5927-39-2	2.0	39.0	0.32	552	0.64
SH-RF-5927-62-2	2.0	62.0	0.39	440	0.64
SH-RF-5927-120-2	2.0	120.0	0.49	925	0.64
SH-RF-5927-18-4	4.0	18.0	0.17	252	0.74
SH-RF-5927-33-4	4.0	33.0	0.23	486	0.74
SH-RF-5927-15-6	6.0	15.0	0.12	193	0.81

Add: 4th Floor, Lie Sheng Building, Yu Yue Village , San Zao Town
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SHCM20 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE



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CM INDUCTOR FEATURES:

Common Mode Choke coils(line filters) are used in a wide range of prevention of electromagnetic interference(EMI) and radio frequency interference(RFI) from power supply lines and for prevention of multi-functioning of products such as measuring equipment and system equ ipment.

– Wide range of selection.
– High impedance at applicable frequency.
– High self-resonant frequency.

DM INDUCTOR FEATURES:

The DM series chokes feature cores with high saturation magnetic flux density. They thereby provide an effective means of combating pluse EMC

By using an advanced amorphous metal alloy core, the DM series are able to provide line noise attenuation performance equivalent to conventional ferrite-based chokes but with far more compact dimensions and fewer coil turns. They can thus be implemented in high-density circuit configurations to comply with various EMC related regulations.

The products contain no lead and also support lead-free soldering.

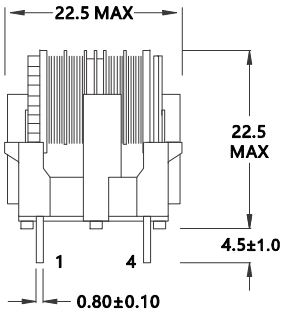
TECHNICAL INFORMATION:

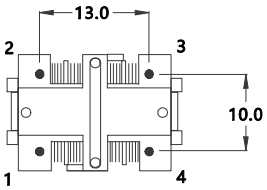
– Rated voltage(V): 85 to 265VACt 50/60Hz.
– Insulation resistance: 100MOhm. MIN a t 500DC.
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

Note:
All specifications subject to change without notice.

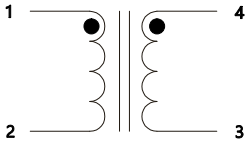
STANDARD SPECIFICATIONS:

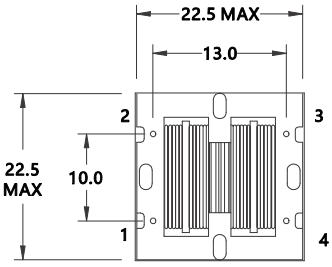
Part No. ("V" TYPE)	Part No. ("H" TYPE)	Inductance (mH) MIN	D.C.Resistance (Ω MAX.)	Rated current (A)
SHCM20V-333Y0R3	SHCM20H-333Y0R3	33.0	3.0	0.30
SHCM20V-253Y0R35	SHCM20H-253Y0R35	25.0	24	0.35
SHCM20V-183Y0R5	SHCM20H-183Y0R5	18.0	1.5	0.50
SHCM20V-153Y0R6	SHCM20H-153Y0R6	15.0	1.3	0,60
SHCM20V-123Y0R7	SHCM20H-123Y0R7	12.0	10	0.70
SHCM20V-103Y0R8	SHCM20H-103Y0R8	10.0	0.90	0.80
SHCM20V-682Y0R9	SHCM20H-682Y0R9	6.8	0.70	0.90
SHCM20V-622Y1R0	SHCM20H-622Y1R0	6.2	0.50	1.00
SHCM30V-242Y1R7	SHCM30H-242Y1R7	24	0.18	1.70
SHCM20V-102Y2R0	SHCM20H-102Y2R0	1.0	0.15	2.00
SHCM20V-601Y3R0	SHCM20H-601Y3R0	0.6	0.06	3.00

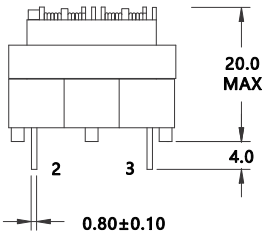


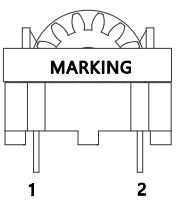


"V" Type









"H" Type

Dimension in mm
Tolerance: .X ±0.50
.XX ±0.25

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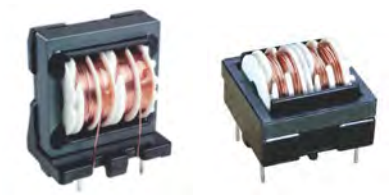
SHCM24 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE



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New approvals may be required.

CM INDUCTOR FEATURES:

Common Mode Choke coils(line filters) are used in a wide range of prevention of electromagnetic interference(EMI) and radio frequency interference(RFI) from power supply lines and for prevention of multi-functioning of products such as measuring equipment and system equ ipment.

– Wide range of selection.
– High impedance at applicable frequency.
– High self-resonant frequency.

DM INDUCTOR FEATURES:

The DM series chokes feature cores with high saturation magnetic flux density. They thereby provide an effective means of combating pluse EMC

By using an advanced amorphous metal alloy core, the DM series are able to provide line noise attenuation performance equivalent to conventional ferrite-based chokes but with far more compact dimensions and fewer coil turns. They can thus be implemented in high-density circuit configurations to comply with various EMC related regulations.

The products contain no lead and also support lead-free soldering.

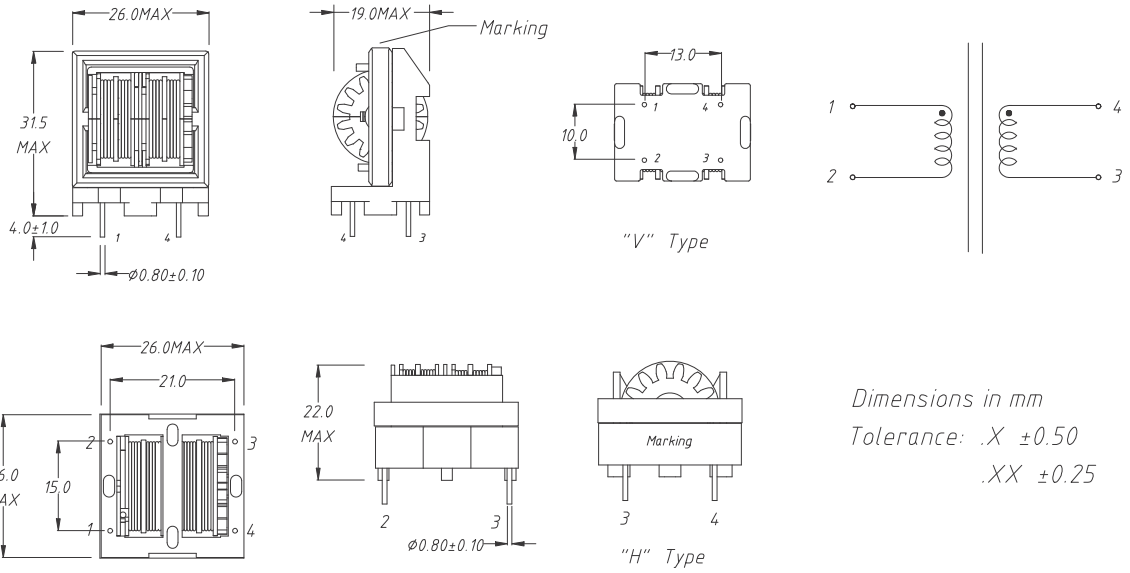
TECHNICAL INFORMATION:

– Rated voltage(V): 85 to 265VACt 50/60Hz.
– Insulation resistance: 100MOhm. MIN a t 500DC.
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

Note:
All specifications subject to change without notice.

STANDARD SPECIFICATIONS:

Part No. ("V" TYPE)	Part No. ("H" TYPE)	Inductance (mH) MIN	D.C.Resistance (Ω MAX.)	Rated current (A)
SHCM24V-683Y0R4	SHCM24H-683Y0R4	68.0	2.3	0.4
SHCM24V-453Y0R5	SHCM24H-453Y0R5	45.0	1.6	0.5
SHCM24V-333Y0R6	SHCM24H-333Y0R6	33.0	1.2	0.6
SHCM24V-253Y0R8	SHCM24H-253Y0R8	25.0	0.9	0.8
SHCM24V-203Y1R0	SHCM24H-203Y1R0	20.0	0.7	1.0
SHCM24V-103Y1R2	SHCM24H-103Y1R2	10.0	0.4	1.2
SHCM24V-452Y1R5	SHCM24H-452Y1R5	4.5	0.2	1.5
SHCM24V-392Y1R8	SHCM24H-392Y1R8	3.9	0.2	1.8
SHCM24V-332Y2R0	SHCM24H-332Y2R0	3.3	0.1	2.0
SHCM24V-242Y2R5	SHCM24H-242Y2R5	2.4	0.1	2.5



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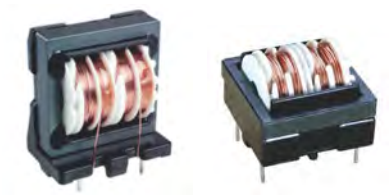
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SHCM28 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE



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New approvals may be required.

TECHNICAL INFORMATION:

– Rated voltage(V): 85 to 265VACt 50/60Hz.
– Insulation resistance: 100MOhm. MIN a t 500DC.
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

Note:
All specifications subject to change without notice.

CM INDUCTOR FEATURES:

Common Mode Choke coils(line filters) are used in a wide range of prevention of electromagnetic interference(EMI) and radio frequency interference(RFI) from power supply lines and for prevention of multi-functioning of products such as measuring equipment and system equ ipment.

– Wide range of selection.
– High impedance at applicable frequency.
– High self-resonant frequency.

DM INDUCTOR FEATURES:

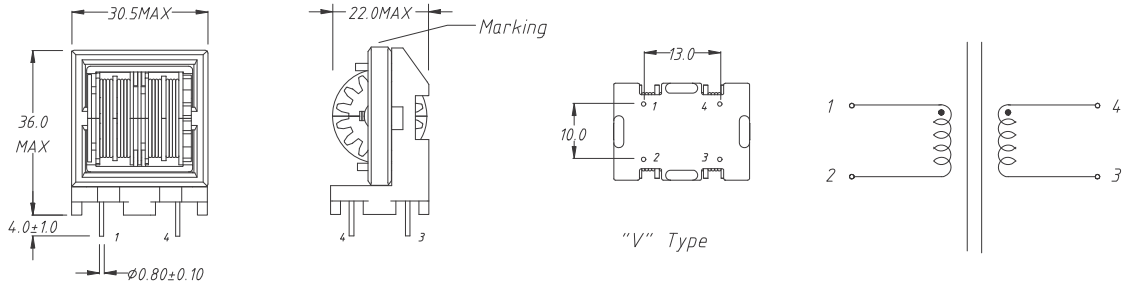
The DM series chokes feature cores with high saturation magnetic flux density. They thereby provide an effective means of combating pluse EMC

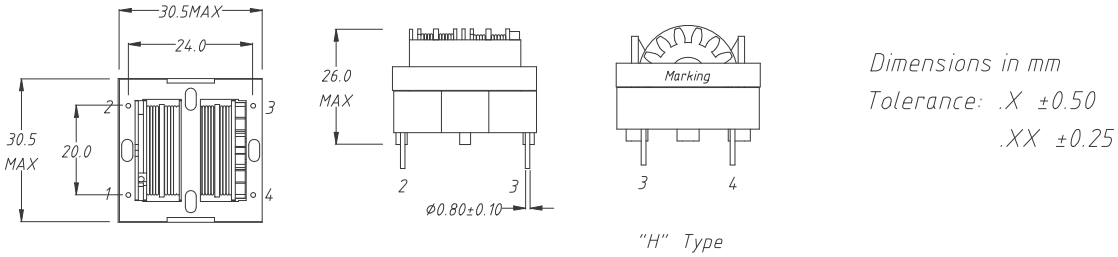
By using an advanced amorphous metal alloy core, the DM series are able to provide line noise attenuation performance equivalent to conventional ferrite-based chokes but with far more compact dimensions and fewer coil turns. They can thus be implemented in high-density circuit configurations to comply with various EMC related regulations.

The products contain no lead and also support lead-free soldering.

STANDARD SPECIFICATIONS:

Part No. ("V" TYPE)	Part No. ("H" TYPE)	Inductance (mH) MIN	D.C.Resistance (Ω MAX.)	Rated current (A)
SHCM28V-353Y1R0	SHCM28H-353Y1R0	35.0	0.78	1.00
SHCM28V-253Y1R2	SHCM28H-253Y1R2	25.2	0.55	1.20
SHCM28V-203Y1R5	SHCM28H-203Y1R5	20.0	0.40	1.50
SHCM28V-123Y1R8	SHCM28H-123Y1R8	12.0	0.27	1.80
SHCM28V-802Y2R0	SHCM28H-802Y2R0	8.0	0.18	2.00
SHCM28V-562Y2R5	SHCM28H-562Y2R5	5.6	0.13	2.50
SHCM28V-4 72Y2R8	SHCM28H-472Y2R8	0.7	0.10	2.80
SHCM28V-332Y3R0	SHCM28H-332Y3R0	3.3	0.09	3.00
SHCM28V-182Y4R0	SHCM28H-182Y4R0	1.8	0.05	4.00





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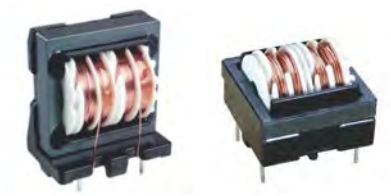
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SHCM35 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE



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The products contain no lead and also support lead-free soldering.

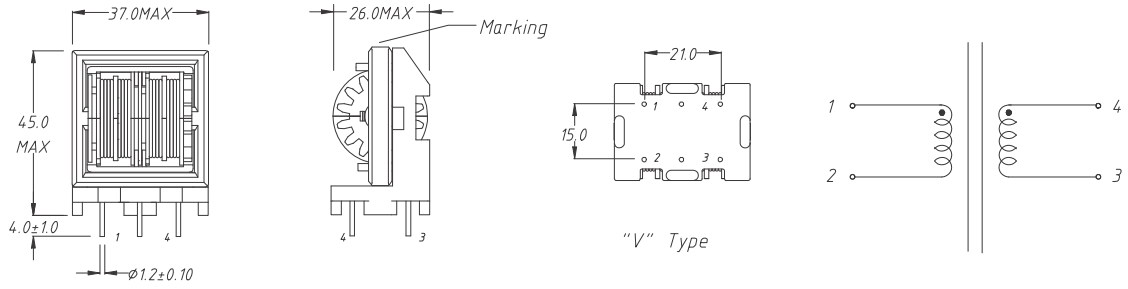
TECHNICAL INFORMATION:

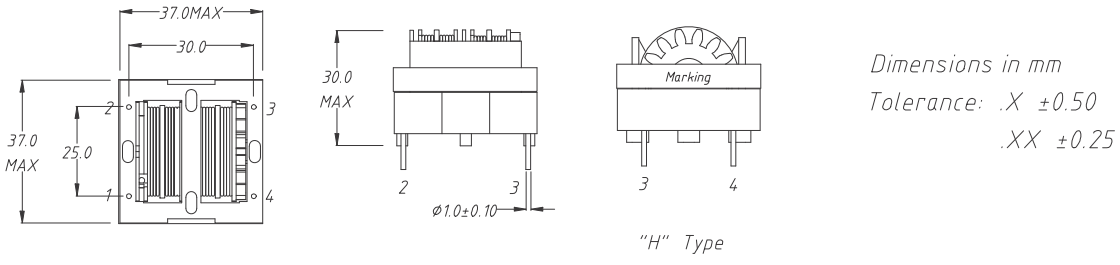
– Rated voltage(V): 85 to 265VACt 50/60Hz.
– Insulation resistance: 100MOhm. MIN a t 500DC.
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

Note:
All specifications subject to change without notice.

STANDARD SPECIFICATIONS:

Part No. ("V" TYPE)	Part No. ("H" TYPE)	Inductance (mH) MIN	D.C.Resistance (Ω MAX.)	Rated current (A)
SHCM35V-333Y1R5	SHCM35H-333Y1R5	33.0	0.42	1.50
SHCM35V-223Y1R8	SHCM35H-223Y1R8	22.0	0.30	1.80
SHCM35V-183Y2R0	SHCM35H-183Y2R0	18.0	0.23	2.00
SHCM35V-153Y2R2	SHCM35H-153Y2R2	15.0	0.21	2.20
SHCM35V-123Y2R5	SHCM35H-123Y2R5	12.0	0.17	2.50
SHCM35V-103Y2R7	SHCM35H-103Y2R7	10.0	0.13	2.70
SHCM35V-822Y3R3	SHCM35H-822Y3R3	8.2	0.10	3.00
SHCM35V-562Y3R5	SHCM35H-562Y3R5	5.6	0.08	3.50
SHCM35V-472Y4R0	SHCM35H-472Y4R0	4.7	0.06	4.00





5 COMMON CHOKE

Add: 4th Floor, Lie Sheng Building, Yu Yue Village , San Zao Town Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SHPL09 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE

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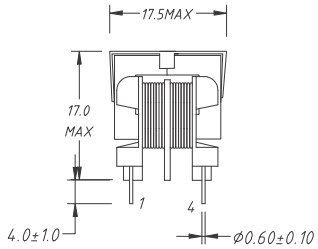
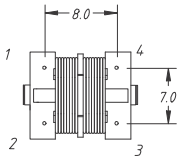
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

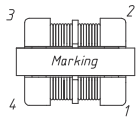
Note:
All specifications subject to change without notice.

STANDARD SPECIFICATIONS:

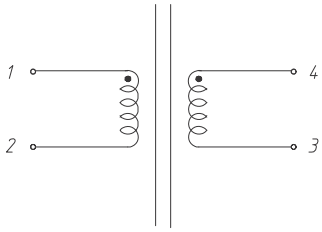
Part No. ("V" TYPE)	Part No. ("H" TYPE)	Inductance (mH) MIN	D.C.Resistance (Ω MAX.)	Rated current (A)
SHPL09V-333Y0R1	SHPL09H-333Y0R1	33.0	13.50	0.10
SHPL09V-103Y0R2	SHPL09H-103Y0R2	10.0	4.20	0.20
SHPL09V-602Y0R3	SHPL09H-602Y0R3	6.0	2.20	0.30
SHPL09V-352Y0R4	SHPL09H-352Y0R4	3.5	1.30	0.40
SHPL09V-252Y0R5	SHPL09H-252Y0R5	2.5	1.00	0.50
SHPL09V-152Y0R6	SHPL09H-152Y0R6	1.5	0.60	0.60
SHPL09V-102Y0R7	SHPL09H-102Y0R7	1.0	0.40	0.70
SHPL09V-801Y0R8	SHPL09H-801Y0R8	0.8	0.32	0.80
SHPL09V-701Y0R9	SHPL09H-701Y0R9	0.8	0.28	0.90
SHPL09V-501Y1R0	SHPL09H-501Y1R0	0.5	0.22	1.00

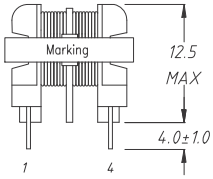


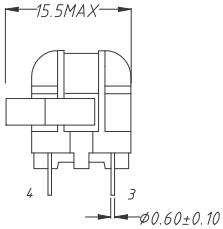


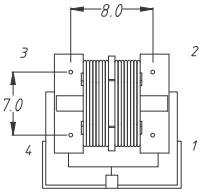


"V" Type









"H" Type

Dimensions in mm
Tolerance: .X ±0.50
.XX ±0.25

Add: 4th Floor, Lie Sheng Building, Yu Yue Village , San Zao Town
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SHPL10 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE

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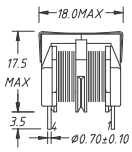
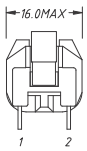
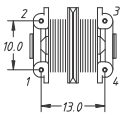
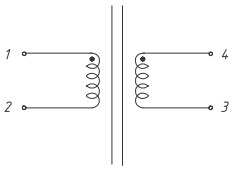
STANDARD SPECIFICATIONS:

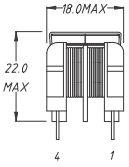


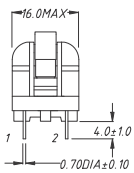


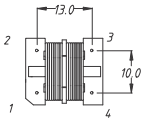


"L" Type









"H" Type

Dimensions in mm
Tolerance: .X ±0.50
.XX ±0.25

TECHNICAL INFORMATION:

– Rated voltage(V): 85 to 265VACt 50/60Hz.
– Insulation resistance: 100MOhm. MIN a t 500DC.
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

Note:
All specifications subject to change without notice.

Part N0.	Inductance (mH) MIN	D.C.R (Ω) MAX	Rated Current (A)
SHPL10H-433Y0R25	43.0	7.00	0.25
SHPL10H-303Y0R3	30.0	4.50	0.30
SHPL10H-203Y0R35	20.0	3.00	0.35
SHPL10H-153Y0R4	15.0	2.50	0.40
SHPL10H-103Y0R5	10.0	1.60	0.50
SHPL10H-742Y0R6	7.4	1.20	0.60
SHPL10H-502Y0R7	5.0	0.80	0.70
SHPL10H-352Y0R8	3.5	0.55	0.80
SHPL10H-302Y0R9	3.0	0.45	0.90
SHPL10H-222YTR0	2.2	0.38	1.00
SHPL10H-182YTR2	1.8	0.27	1.20
SHPL10H-152YTR3	1.5	0.21	1.30
SHPL10H-102YTR5	1.0	0.16	1.50

Part N0.	Inductance (mH) MIN	D.C.R (Ω) MAX	Rated Current (A)
SHPL10L-433Y0R3	43.0	3.50	0.30
SHPL10L-303Y0R4	30.0	2.30	0.40
SHPL10L-203Y0R5	20.0	1.50	0.50
SHPL10L-153Y0R6	15.0	1.10	0.60
SHPL10L-103Y0R7	10.0	0.80	0.70
SHPL10L-742Y0R8	7.4	0.50	0.80
SHPL10L-552YTR0	5.0	0.35	1.00
SHPL10L-352YTR2	3.5	0.25	1.20
SHPL10L-302YTR3	3.0	0.20	1.30
SHPL10L-222YTR5	2.2	0.16	1.50
SHPL10L-182YTR7	1.8	0.16	1.70
SHPL10L-152Y2R0	1.5	0.10	2.00
SHPL10L-102Y2R5	1.0	0.08	2.50

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Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc

SHPL16 SERIES
VERTICAL/HORIZONTAL COMMON MODE CHOKE

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New approvals may be required.

CM INDUCTOR FEATURES:

Common Mode Choke coils(line filters) are used in a wide range of prevention of electromagnetic interference(EMI) and radio frequency interference(RFI) from power supply lines and for prevention of multi-functioning of products such as measuring equipment and system equ ipment.

– Wide range of selection.
– High impedance at applicable frequency.
– High self-resonant frequency.

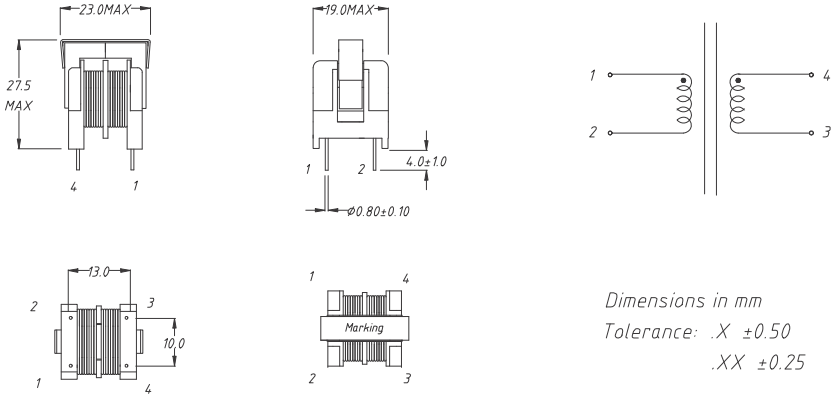
DM INDUCTOR FEATURES:

The DM series chokes feature cores with high saturation magnetic flux density. They thereby provide an effective means of combating pluse EMC

By using an advanced amorphous metal alloy core, the DM series are able to provide line noise attenuation performance equivalent to conventional ferrite-based chokes but with far more compact dimensions and fewer coil turns. They can thus be implemented in high-density circuit configurations to comply with various EMC related regulations.

The products contain no lead and also support lead-free soldering.

STANDARD SPECIFICATIONS:



TECHNICAL INFORMATION:

– Rated voltage(V): 85 to 265VACt 50/60Hz.
– Insulation resistance: 100MOhm. MIN a t 500DC.
– TURNS RATIO :N1 : N2 = 1 :1±2%
– Hi- Pot :Pri-Sec : 2500VAC/1mA/60second
– Test Frequency Response:10KHz 100mV.
– Operating temperature range: -40°C to + 105°C.
– temperature Rise: 50°C MAX.
– All parts meet RoHS compliance.

Note:
All specifications subject to change without notice.

Part N0.	Inductance (mH) MIN	D.C.R (Ω) MAX	Rated Current (A)
SHPL16-453Y0R3	45.0	4.00	0.30
SHPL16-303Y0R4	30.0	2.50	0.40
SHPL16-203Y0R5	20.0	1.70	0.50
SHPL16-103Y0R7	10.0	1.00	0.60
SHPL16-802Y0R8	8.0	0.80	0.70
SHPL16-602Y0R9	6.0	0.55	0.80
SHPL16-402Y1R0	4.0	0.40	1.00
SHPL16-352Y1R2	3.5	0.30	1.20
SHPL16-252Y1R3	2.5	0.25	1.30
SHPL16-152Y1R5	1.5	0.15	1.50

Part N0.	Inductance (mH) MIN	D.C.R (Ω) MAX	Rated Current (A)
SHPL16-473Y0R4	47.0	1.80	0.40
SHPL16-333Y0R6	33.0	1.15	0.60
SHPL16-273Y0R7	27.0	0.88	0.70
SHPL16-183Y0R8	18.0	0.60	0.80
SHPL16-103Y1R0	10.0	0.35	1.00
SHPL16-682Y1R3	6.8	0.25	1.30
SHPL16-472Y1R5	4.7	0.17	1.50
SHPL16-332Y1R8	3.3	0.13	1.80
SHPL16-222Y2R2	2.2	0.10	2.20
SHPL16-102Y3R3	1.0	0.05	3.30

Add: 4th Floor, Lie Sheng Building, Yu Yue Village , San Zao Town
Zhuhai, Guangdong, China
Tel: +86 756 7512727 Fax: +86 756 7512737
E-mail: share_eu@secl.cc sales@secl.cc http://www.secl.cc