

COMMON-MODE FILTER INDUCTOR FAPL09V&H SETRIES



FEATURES:

- Rated voltage [V]: 85 to 265VAC, 50/60Hz.
- Insulation resistance: 100mΩ Min at 500DC.
- Turns ratio: N1:N2=1:1±2%.
- Test Frequency Response: 10KHz, 100mV.
- Hi-Pot: Pri-Sec: 1500VAC/3mA/2Second.
- Operating temperature range:
- Temperature Rise: 40°C Max.
- All parts meet ROHS compliance.
- Weight: approximately 4.2g.

PRODUCT IDENTIFICATION:

$\frac{PL}{a} \frac{09}{b} \frac{V}{c} \frac{103}{d} \frac{Y}{e} \frac{OR2}{f}$

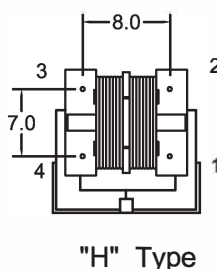
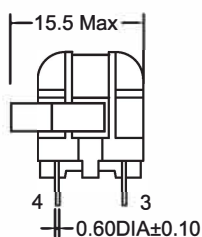
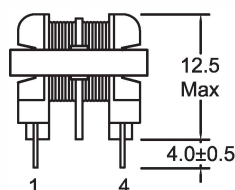
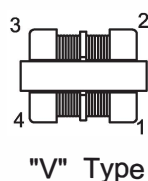
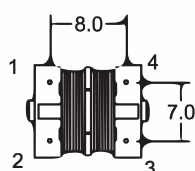
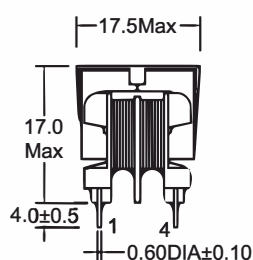
- a: Series name
- b: Product dimensions
- c: ÷ V is to the vertical form, 'H' is to the horizontal form
- d: Inductance Value [101:100uH; 102:1000uH; 103:10000uH]
- e: minimum value
- f: Rated current [OR2:0.2A; 1R2:1.2A; 10R2:12A]

ELECTRICAL CHARACTERISTICS

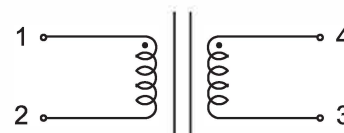
Part Number	Inductance [mH] Min	D.C. Resistance [Ω] Typ at 20°C	Rated current [mA]
FAPL09V-333YOR1	33.0	5.50	100
FAPL09V-273YOR15	27.0	3.50	150
FAPL09V-203YOR2	20.0	2.40	200
FAPL09V-152YOR3	15.0	1.50	300
FAPL09V-103YOR4	10.0	1.00	400
FAPL09V-602YOR5	6.0	0.50	500
FAPL09V-352YOR6	3.5	0.38	600
FAPL09V-252YOR7	2.5	0.25	700
FAPL09V-152YOR8	1.5	0.19	800
FAPL09V-102YOR9	1.0	0.15	900
FAPL09V-801Y1R0	0.8	0.11	1000
FAPL09V-701Y1R2	0.7	0.09	1200
FAPL09V-501Y1R3	0.5	0.07	1300

Part Number	Inductance [mH] Min	D.C. Resistance [Ω] Typ at 20°C	Rated current [mA]
FAPL09H-333YOR1	33.0	5.50	100
FAPL09H-273YOR15	27.0	3.50	150
FAPL09H-203YOR2	20.0	2.40	200
FAPL09H-152YOR3	15.0	1.50	300
FAPL09H-103YOR4	10.0	1.00	400
FAPL09H-602YOR5	6.0	0.50	500
FAPL09H-352YOR6	3.5	0.38	600
FAPL09H-252YOR7	2.5	0.25	700
FAPL09H-152YOR8	1.5	0.19	800
FAPL09H-102YOR9	1.0	0.15	900
FAPL09H-801Y1R0	0.8	0.11	1000
FAPL09H-701Y1R2	0.7	0.09	1200
FAPL09H-501Y1R3	0.5	0.07	1300

TECHNICAL INFORMATION

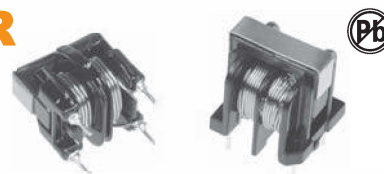


CIRCUIT MAP



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

COMMON-MODE FILTER INDUCTOR FAPL10VH&VL SETRIES



FEATURES:

- Rated voltage[V]:85 to 265VAC, 50/60Hz.
- Insulation resistance:100M Ω in at 500DC.
- Turns ratio:N1:N2=1:1 \pm 2%.
- Test Frequency Response:10KHz,100mV.
- Hi-Pot: Pri-Sec:2500VAc/1mA/60Second.
- Operating temperature range: -40°C to +105 °C.
- Temperature Rise: 40°C Max.
- All parts meet ROHS compliance.

PRODUCT IDENTIFICATION:

- PL 10 VH 103 Y 0R5
a b c d e f
- a: Series name
 - b: Product dimensions
 - c: 'VH' Vertical High Size and 'VL' Vertical Low Size
 - d: Inductance Value[101:100uH;102;1000uH;103:10000uH]
 - e: minimum value
 - f: Rated current[0R2:0.2A;1R2;1.2A;10R2:12A]

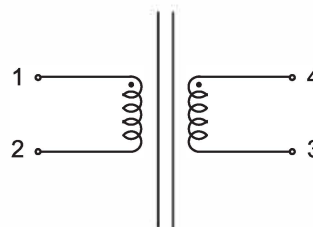
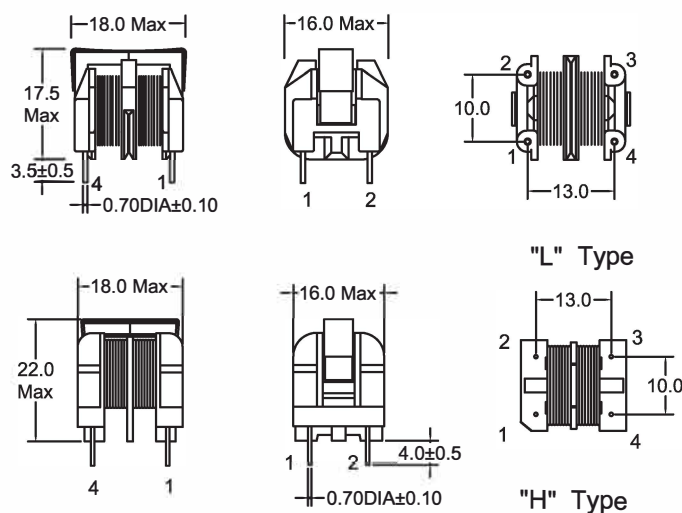
ELECTRICAL CHARACTERISTICS

Part Number	Inductance [mH]Min	D.C. Resistance [Ω] Typ at 20°C	Rated current [mA]
FAPL10VH-433Y0R25	43	3.55	250
FAPL10VH-303Y0R3	30	2.45	300
FAPL10VH-203Y0R35	20	1.80	350
FAPL10VH-153Y0R4	15	1.34	400
FAPL10VH-103Y0R5	10	0.84	500
FAPL10VH-742Y0R6	7.4	0.59	600
FAPL10VH-502Y0R7	5.0	0.41	700
FAPL10VH-352Y0R8	3.5	0.29	800
FAPL10VH-302Y0R9	3.0	0.25	900
FAPL10VH-222Y1R0	2.0	0.19	1000
FAPL10VH-182Y1R2	1.8	0.14	1200
FAPL10VH-152Y1R3	1.5	0.12	1300
FAPL10VH-102Y1R5	1.0	0.087	1500

Part Number	Inductance [mH]Min	D.C. Resistance [Ω] Typ at 20°C	Rated current [mA]
FAPL10VL-433Y0R25	43	3.55	250
FAPL10VL-303Y0R3	30	2.45	300
FAPL10VL-203Y0R35	20	1.80	350
FAPL10VL-153Y0R4	15	1.34	400
FAPL10VL-103Y0R5	10	0.84	500
FAPL10VL-742Y0R6	7.4	0.59	600
FAPL10VL-502Y0R7	5.0	0.41	700
FAPL10VL-352Y0R8	3.5	0.29	800
FAPL10VL-302Y0R9	3.0	0.25	900
FAPL10VL-222Y1R0	2.0	0.19	1000
FAPL10VL-182Y1R2	1.8	0.14	1200
FAPL10VL-152Y1R3	1.5	0.12	1300
FAPL10VL-102Y1R5	1.0	0.087	1500

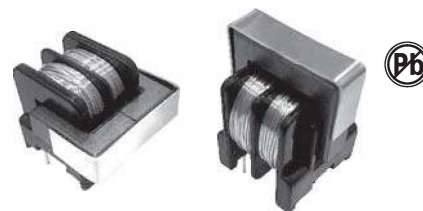
TECHNICAL INFORMATION

CIRCUIT MAP



Dimensions in mm
Tolerance: .X \pm 0.50
.XX \pm 0.25

COMMON-MODE FILTER INDUCTOR FAPL16V&H SETRIES



FEATURES:

Rated voltage[V]:85 to 265VAC ,50/60Hz.
 Insulation resistance:100mΩ Min at 500DC.
 Turns ratio:N1:N2=1:1±2%.
 Test Frequency Response:10KHz,100mV.
 Hi-Pot: Pri-Sec: 2500VA ac/1mA /60Second.
 Operating temperature range: -40°C to +105 °C.
 Temperature Rise: 40°C Max.
 All parts meet ROHS compliance.
 Weight:approximately 20g.

PRODUCT IDENTIFICATION:

PL 16 V 103 Y 1R3
 a b c d e f

a:Series name
 b:Product dimensions
 c:è V is to the vertical form, 'H' is to the horizontal form
 d:Inductance Value[101:100uH;102;1000uH;103:10000uH]
 e:minimum value
 f:Rated current[0R2:0.2A;1R2;1.2A;10R2:12A]

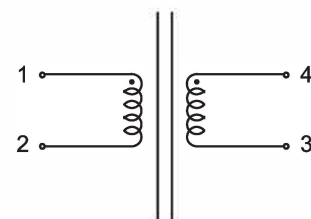
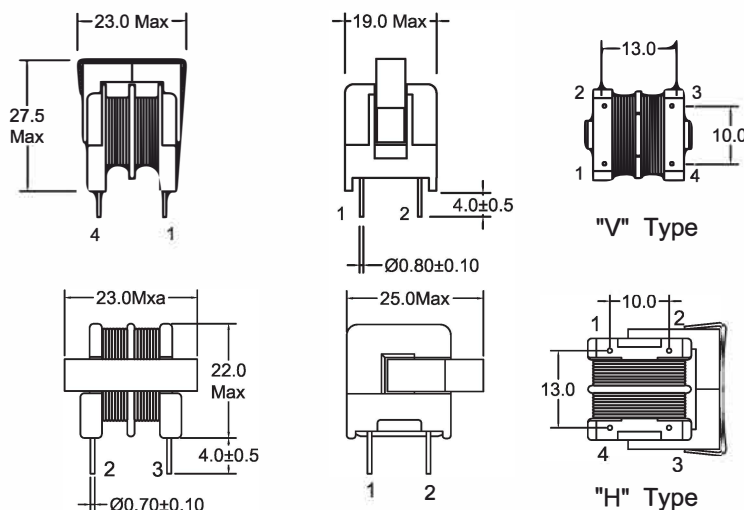
ELECTRICAL CHARACTERISTICS

Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20°C	Rated current [mA]
FAPL16V-503Y0R5	50	1.87	500
FAPL16V-453Y0R7	45	1.32	700
FAPL16V-333Y0R8	33	0.98	800
FAPL16V-273Y1R0	27	0.78	1000
FAPL16V-203Y1R1	20	0.57	1100
FAPL16V-153Y1R2	15	0.44	1200
FAPL16V-103Y1R3	10	0.32	1300
FAPL16V-802Y1R5	8	0.26	1500
FAPL16V-602Y1R7	6	0.19	1700
FAPL16V-472Y1R9	4.7	0.15	1900
FAPL16V-352Y2R1	3.5	0.12	2100
FAPL16V-252Y3R0	2.5	0.08	3000
FAPL16V-102Y3R3	1.0	0.04	3300

Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20	Rated current [mA]
FACM16H-503Y0R5	50	1.87	500
FACM16H-453Y0R7	45	1.32	700
FAPL16H-333Y0R8	33	0.98	800
FAPL16H-273Y1R0	27	0.78	1000
FAPL16H-203Y1R1	20	0.57	1100
FAPL16H-153Y1R2	15	0.44	1200
FAPL16H-103Y1R3	10	0.32	1300
FAPL16H-802Y1R5	8	0.26	1500
FAPL16H-602Y1R7	6	0.19	1700
FAPL16H-472Y1R9	4.7	0.15	1900
FAPL16H-352Y2R1	3.5	0.12	2100
FAPL16H-252Y3R0	2.5	0.08	3000
FAPL16H-102Y3R3	1.0	0.04	3300

TECHNICAL INFORMATION

CIRCUIT MAP



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

COMMON-MODE FILTER INDUCTOR FACM20V&H SETRIES



FEATURES:

- Rated voltage[V]:85 to 265VAC,50/60Hz.
- Insulation resistance:100MΩ Min at 500DC.
- Turns ratio:N1:N2=1:1±2%.
- Test Frequency Response:10KHz,100mV.
- Hi-Pot: Pri-Sec:1500V ac/3mA/2Second.
- Operating temperature range: -40°C to +105°C.
- Temperature Rise:50°C Max.
- All parts meet ROHS compliance.
- Weight:approximately 10g.

PRODUCT IDENTIFICATION:

CM 20 V 103 Y 0R8
a b c d e f

- a:Series name
- b:Product dimensions
- c:Ø/∅is to the vertical form, 'H' is to the horizontal form
- d:Inductance Value [101:100uH;102:1000uH;103:10000uH]
- e:minimum value
- f:Rated current [0R2:0.2A;1R2:1.2A;10R2:12A]

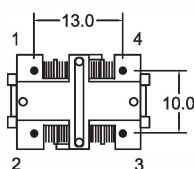
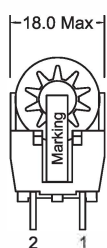
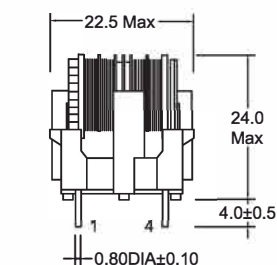
ELECTRICAL CHARACTERISTICS

Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20°C	Rated current [mA]
FACM20V-333Y0R3	33	2.24	300
FACM20V-253Y0R35	25	1.54	350
FACM20V-183Y0R5	18	1.04	500
FACM20V-153Y0R6	15	0.82	600
FACM20V-123Y0R7	12	0.65	700
FACM20V-103Y0R8	10	0.49	800
FACM20V-682Y0R9	6.8	0.35	900
FACM20V-622Y1R0	6.2	0.31	1000
FACM20V-242Y1R7	2.4	0.13	1700
FACM20V-102Y2R0	1.0	0.06	2000
FACM20V-601Y3R0	0.6	0.04	3000

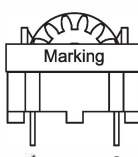
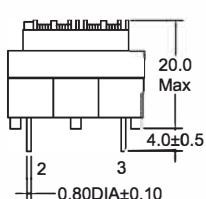
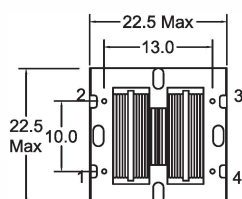
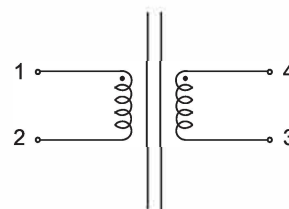
Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20°C	Rated current [mA]
FACM20H-333Y0R3	33	1.82	300
FACM20H-253Y0R35	25	1.25	350
FACM20H-183Y0R5	18	0.81	500
FACM20H-153Y0R6	15	0.66	600
FACM20H-123Y0R7	12	0.51	700
FACM20H-103Y0R8	10	0.40	800
FACM20H-682Y0R9	6.8	0.28	900
FACM20H-622Y1R0	6.2	0.24	1000
FACM20H-242Y1R7	2.4	0.10	1700
FACM20H-102Y2R0	1.0	0.046	2000
FACM20H-601Y3R0	0.6	0.030	3000

TECHNICAL INFORMATION

CIRCUIT MAP



"V" Type



"H" Type

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

COMMON-MODE FILTER INDUCTOR FACM24V&H SETRIES



FEATURES:

- Rated voltage[V]:85 to 265VAC,50/60Hz.
- Insulation resistance:100mΩ Min at 500DC.
- Turns ratio:N1:N2=1:1±2%.
- Test Frequency Response:10KHz,100mV.
- Hi-Pot: Pri-Sec:1500VA ac/3mA/2Second.
- Operating temperature range: -40°C to +105 °C.
- Temperature Rise:50°C Max.
- All parts meet ROHS compliance.
- Weight:approximately 19.5g.

PRODUCT IDENTIFICATION:

$\frac{CM}{a} \frac{24}{b} \frac{V}{c} \frac{103}{d} \frac{Y}{e} \frac{1R2}{f}$

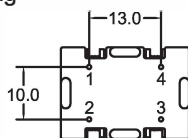
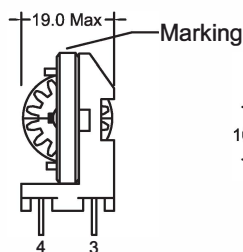
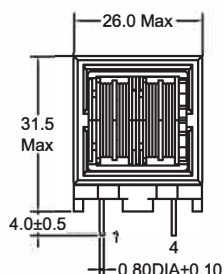
- a:Series name
- b:Product dimensions
- c:Ø iis to the vertical form, 'H' is to the horizontal form
- d:Inductance Value[101:100uH;102:1000uH;103:10000uH]
- e:minimum value
- f:Rated current[OR2:0.2A;1R2;1.2A;1OR2:12A]

ELECTRICAL CHARACTERISTICS

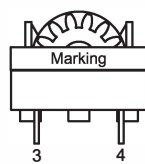
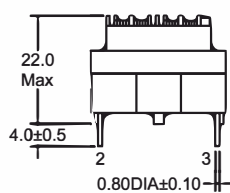
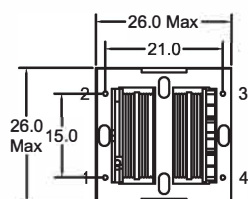
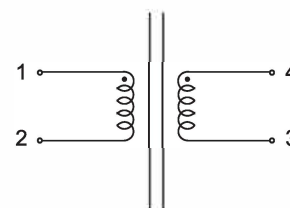
Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20°C	Rated current [mA]
FACM24V-683Y0R4	68	2.31	400
FACM24V-453Y0R5	45	1.50	500
FACM24V-333Y0R6	33	1.09	600
FACM24V-253Y0R8	25	0.74	800
FACM24V-203Y1R0	20	0.52	1000
FACM24V-103Y1R2	10	0.28	1200
FACM24V-452Y1R5	4.5	0.15	1500
FACM24V-392Y1R8	3.9	0.12	1800
FACM24V-332Y2R0	3.3	0.10	2000
FACM24V-242Y2R5	2.4	0.07	2500

Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20°C	Rated current [mA]
FACM24H-683Y0R4	68	2.31	400
FACM24H-453Y0R5	45	1.50	500
FACM24H-333Y0R6	33	1.09	600
FACM24H-253Y0R8	25	0.74	800
FACM24H-203Y1R0	20	0.52	1000
FACM24H-103Y1R2	10	0.28	1200
FACM24H-452Y1R5	4.5	0.15	1500
FACM24H-392Y1R8	3.9	0.12	1800
FACM24H-332Y2R0	3.3	0.10	2000
FACM24H-242Y2R5	2.4	0.07	2500

TECHNICAL INFORMATION



"V" Type



"H" Type

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

COMMON-MODE FILTER INDUCTOR FACM28V&H SETRIES



FEATURES:

- Rated voltage[V]: 85 to 265VAC, 50/60Hz.
- Insulation resistance: 100mΩ Min at 500DC.
- Turns ratio: N1:N2=1:1±2%.
- Test Frequency Response: 10KHz, 100mV.
- Hi-Pot: Pri-Sec: 1500VAc/3mA/2Second.
- Operating temperature range: -40°C to +105°C.
- Temperature Rise: 50°C Max.
- All parts meet ROHS compliance.
- Weight: approximately 30g.

PRODUCT IDENTIFICATION:

CM 28 V 1 23 Y 1 R8
a b c d e f

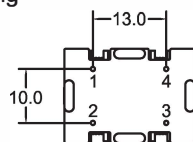
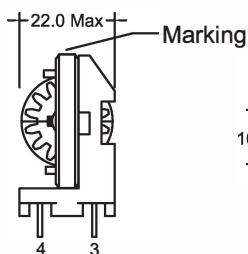
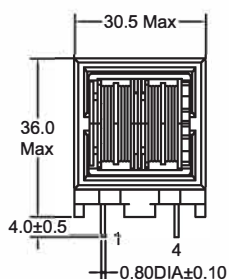
- a: Series name
- b: Product dimensions
- c: V is to the vertical form, 'H' is to the horizontal form
- d: Inductance Value [101:100uH; 102:1000uH; 103:10000uH]
- e: minimum value
- f: Rated current [OR2: 0.2A; 1R2; 1.2A; 10R2: 12A]

ELECTRICAL CHARACTERISTICS

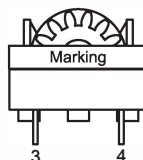
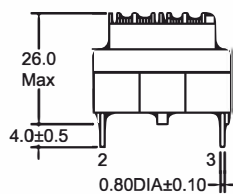
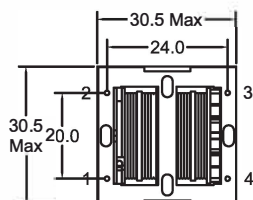
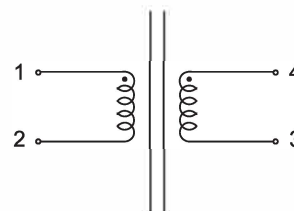
Part Number	Inductance (mH)Min	D.C. Resistance (Ω) Typ at 20°C	Rated current (mA)
FACM28V-353Y1R0	35	0.78	1000
FACM28V-253Y0R2	25	0.55	1200
FACM28V-203Y1R5	20	0.40	1500
FACM28V-123Y1R8	12	0.27	1800
FACM28V-802Y2R0	8.0	0.18	2000
FACM28V-562Y2R5	5.6	0.13	2500
FACM28V-472Y2R8	4.7	0.10	2800
FACM28V-332Y3R0	3.3	0.09	3000
FACM28V-182Y4R0	1.8	0.05	4000

Part Number	Inductance (mH)Min	D.C. Resistance (Ω) Typ at 20°C	Rated current (mA)
FACM28H-353Y1R0	35	0.78	1000
FACM28H-253Y0R2	25	0.55	1200
FACM28H-203Y1R5	20	0.40	1500
FACM28H-123Y1R8	12	0.27	1800
FACM28H-802Y2R0	8.0	0.18	2000
FACM28H-562Y2R5	5.6	0.13	2500
FACM28H-472Y2R8	4.7	0.10	2800
FACM28H-332Y3R0	3.3	0.09	3000
FACM28H-182Y4R0	1.8	0.05	4000

TECHNICAL INFORMATION



"V" Type



"H" Type

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

COMMON-MODE FILTER INDUCTOR FACM35V&H SERIES



FEATURES:

- Rated voltage[V]:85 to 265VAC,50/60Hz.
- Insulation resistance:100m Ω M in at 500DC.
- Turns ratio:N1:N2=1:1 \pm 2%.
- Test Frequency Response:10KHz,100mV.
- Hi-Pot: Pri-Sec:1500V ac/3mA/2Second.
- Operating temperature range: -40 $^{\circ}$ C to +105 $^{\circ}$ C.
- Temperature Rise:50 $^{\circ}$ C Max.
- All parts meet ROHS compliance.
- Weight:approximately 65g.

PRODUCT IDENTIFICATION:

$\frac{CM}{a} \frac{35}{b} \frac{V}{c} \frac{103}{d} \frac{Y}{e} \frac{2R7}{f}$

- a:Series name
- b:Product dimensions
- c: \emptyset is to the vertical form, 'H' is to the horizontal form
- d: Inductance Value[101:100uH;102:1000uH;103:10000uH]
- e:minimum value
- f:Rated current[0R2:0.2A;1R2;1.2A;10R2:12A]

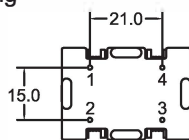
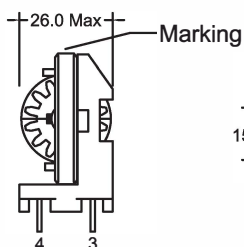
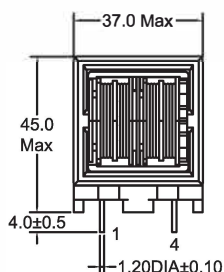
ELECTRICAL CHARACTERISTICS

Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20 $^{\circ}$ C	Rated current [mA]
FACM35V-333Y1R5	33	0.42	1500
FACM35V-223Y1R8	22	0.30	1800
FACM35V-183Y2R0	18	0.23	2000
FACM35V-153Y2R2	15	0.21	2200
FACM35V-123Y2R5	12	0.17	2500
FACM35V-103Y2R7	10	0.13	2700
FACM35V-822Y3R3	8.2	0.10	3300
FACM35V-562Y3R5	5.6	0.08	3500
FACM35V-472Y4R0	4.7	0.06	4000

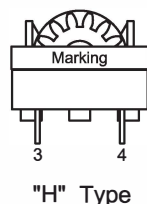
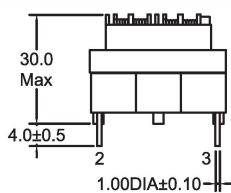
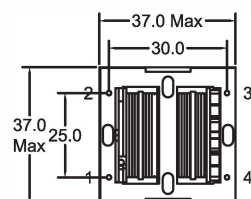
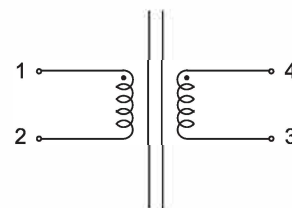
Part Number	Inductance [mH]Min	D.C.Resistance [Ω] Typ at 20 $^{\circ}$ C	Rated current [mA]
FACM35H-333Y1R5	33	0.42	1500
FACM35H-223Y1R8	22	0.30	1800
FACM35H-183Y2R0	18	0.23	2000
FACM35H-153Y2R2	15	0.21	2200
FACM35H-123Y2R5	12	0.17	2500
FACM35H-103Y2R7	10	0.13	2700
FACM35H-822Y3R3	8.2	0.10	3300
FACM35H-562Y3R5	5.6	0.08	3500
FACM35H-472Y4R0	4.7	0.06	4000

TECHNICAL INFORMATION

CIRCUIT MAP



"V" Type



"H" Type

Dimensions in mm
Tolerance: .X \pm 0.50
.XX \pm 0.25