

# COMMON-MODE FILTER INDUCTOR FAPL09V&H SERIES



## FEATURES:

Rated voltage [V]: 85 to 265VAC, 50/60Hz.  
 Insulation resistance: 100M $\Omega$  in at 500DC.  
 Turns ratio: N1:N2=1:1 $\pm$ 2%.  
 Test Frequency Response: 10KHz, 100mV.  
 Hi-Pot: Pri-Sec: 1500VAC/3mA/2Second.  
 Operating temperature range:  
 Temperature Rise: 40 $^{\circ}$ 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:  $\bar{e}$  V is to the vertical form, 'H' is to the horizontal form

d: Inductance Value [101:100uH; 102:1000uH; 103:10000uH]

e: minimum value

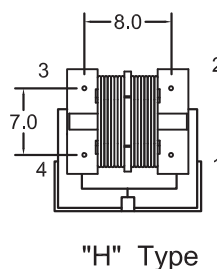
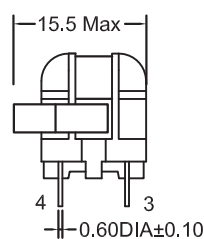
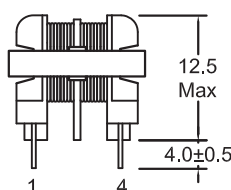
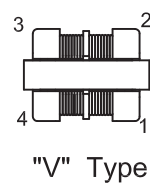
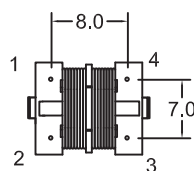
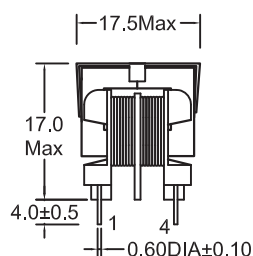
f: Rated current [OR2:0.2A; 1R2:1.2A; 1OR2:12A]

## ELECTRICAL CHARACTERISTICS

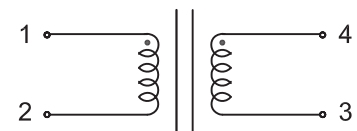
Part Number	Inductance [mH]Min	D.C. Resistance [ $\Omega$ ] Typ at 20 $^{\circ}$ C	Rated current [mA]
FAPL09V-333YOR1	33.0	5.50	100
FAPL09V-273YOR15	27.0	3.50	150
FAPL09V-203YOR2	20.0	2.40	200
FAPL09V-152YOR3	15.0	1.50	300
FAPL09V-103YOR4	10.0	1.00	400
FAPL09V-602YOR5	6.0	0.50	500
FAPL09V-352YOR6	3.5	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 [ $\Omega$ ] Typ at 20 $^{\circ}$ 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  $\pm$ 0.50  
 .XX  $\pm$ 0.25