

CURRENT-COMPENSATED FRAME CORE DOUBLE CHOKES FACM25,31BPV SERIES



FEATURES:

Rated voltage 250 VAC.
Rated current 1.5A to 20A.
Rated inductance 0.68mH to 33 mH.
Turns ratio: N1:N2=1:1 ± 2%.
Hi-Pot: Pri-Sec: 1500VAC /5mA /2Seconds.
Test Frequency Response: 10KHz, 100mV.
Inductance tolerance: Min at 20°C.
Operating temperature: -40°C to +105°C.
All parts meet ROHS compliance.

PRODUCT IDENTIFICATION:

$$\frac{CM}{a} \frac{25}{b} \frac{BPV}{c} \frac{333}{d} \frac{Y}{e} \frac{1R5}{f}$$

a: Common mode

b: Size

c: Vertical Install shape

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

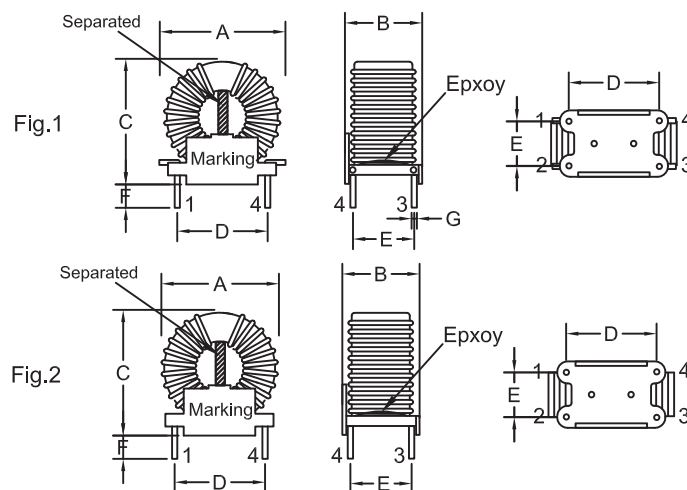
e: Inductance tolerance: minimum value

f: Rated current [0R2:0.2A; 1R2:1.2A; 10R2:12A]

ELECTRICAL CHARACTERISTICS

| Part Number | Inductance [mH]Min | D.C. Resistance [Ω] Max at 20°C | Rated current [A] | Part Number | Inductance [mH]Min | D.C. Resistance [Ω] Max at 20°C | Rated current [A] |
|--------------------|--------------------|---------------------------------|-------------------|--------------------|--------------------|---------------------------------|-------------------|
| FACM25BPV-333Y1R5 | 33 | 0.40 | 1.5 | FACM31BPV-333Y2R0 | 33 | 0.25 | 2.0 |
| FACM25BPV-223Y2R0 | 22 | 0.25 | 2.0 | FACM31BPV-253Y3R0 | 25 | 0.15 | 3.0 |
| FACM25BPV-103Y2R5 | 10 | 0.15 | 2.5 | FACM31BPV-153Y4R0 | 15 | 0.10 | 4.0 |
| FACM25BPV-682Y3R0 | 6.8 | 0.10 | 3.0 | FACM31BPV-103Y5R0 | 10 | 0.06 | 5.0 |
| FACM25BPV-392Y4R0 | 3.9 | 0.05 | 4.0 | FACM31BPV-682Y6R0 | 6.8 | 0.04 | 6.0 |
| FACM25BPV-332Y6R0 | 3.3 | 0.04 | 5.0 | FACM31BPV-332Y8R0 | 3.3 | 0.025 | 8.0 |
| FACM25BPV-222Y9R0 | 2.2 | 0.02 | 9.0 | FACM31BPV-222Y12R0 | 2.2 | 0.010 | 12.0 |
| FACM25BPV-102Y15R0 | 1.0 | 0.01 | 15.0 | FACM31BPV-102Y20R0 | 1.0 | 0.006 | 20.0 |
| FACM25BPV-681Y20R0 | 0.68 | 0.006 | 20.0 | | | | |

TECHNICAL INFORMATION



DIMENSIONS:MM

| Part number | A | B | C | D | E | F | G | Fig |
|-------------|----------|----------|----------|----------|----------|---------|---------|--------|
| FACM25BPV | 30.5 Max | 15.2±0.3 | 31.5 Max | 20.3±0.5 | 10.2±0.5 | 3.0 Min | 1.2 DIA | 1 or 2 |
| FACM31BPV | 35.0 Max | 20.3±0.3 | 33.5 Max | 22.8±0.5 | 15.2±0.5 | 3.0 Min | 1.2 DIA | 1 or 2 |