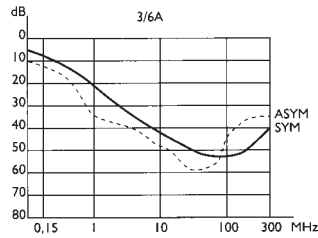


**PE Series  
Plastic Filter for PCB**



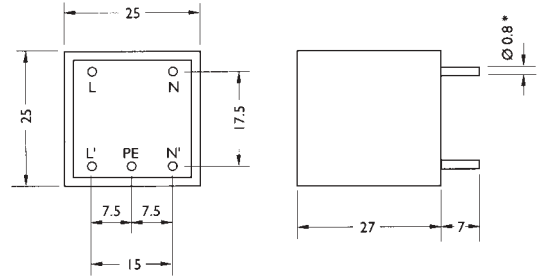
**Attenuation Graph for  
PE-3V, PE-6V**



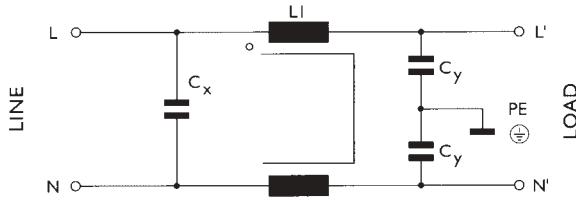
A range of single phase EMI filters housed in a plastic capsule suitable for PCB mounting.

Rated voltage 250 VAC  
Leakage current 0.25mA  
Terminals 0.8mm, recommended hole size 0.9mm

**Case size 23-0**



**PE Series Circuit Schematic**

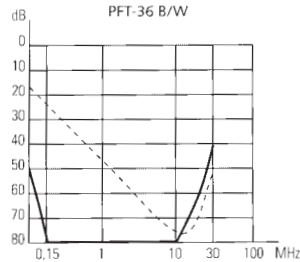


| Stock No. | Manf Ref' | Current | Case size | Unit Price |       |      |
|-----------|-----------|---------|-----------|------------|-------|------|
|           |           |         |           | 1-9        | 10-99 | 100+ |
| 6101588   | PE-05V    | 0.5A    | 23-0      | 4.93       | 4.44  | 3.45 |
| 6101591   | PE-1V     | 1A      | 23-0      | 4.73       | 4.26  | 3.31 |
| 6101594   | PE-3V     | 3A      | 23-0      | 4.68       | 4.21  | 3.28 |
| 6101597   | PE-6V     | 6A      | 23-0      | 4.68       | 4.21  | 3.28 |

**PFT Series  
High Power**



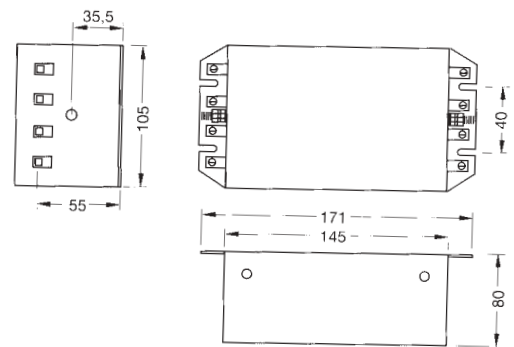
**Attenuation Graph for  
PFT-36B**



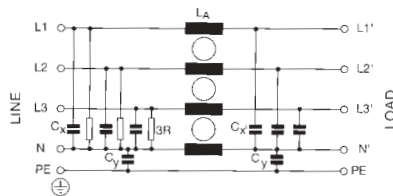
General purpose 3 phase and neutral motor drive filters suitable for a wide range of industrial motor applications.

Rated voltage 440 VAC  
Leakage current 0.5mA (3A, 6A, 10A,), 2mA (20A)  
3mA (25A, 36A, 50A)  
4mA (65A, 80A, 110A, 150A)  
Terminals 6.3mm (Z suffix), terminal block (B suffix)  
Approvals VDE (due end 2001)

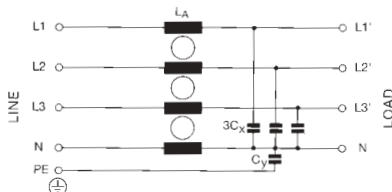
**Case size 171 x 105 x 58**



**PFT-25B/36B/50B/65B/80B/110B/150B Series Circuit Schematic**

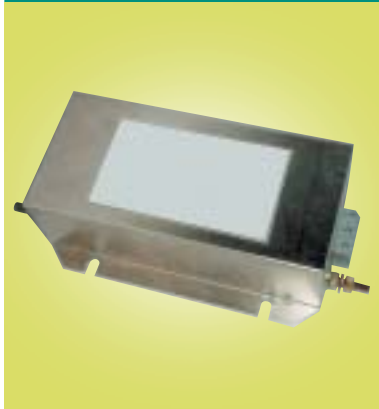


**PFT-3Z/6Z/10Z/20Z Series Circuit Schematic**

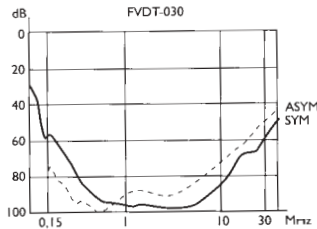


| Stock No. | Manf Ref' | Current | Case size  | Unit Price |        |        |
|-----------|-----------|---------|------------|------------|--------|--------|
|           |           |         |            | 1-4        | 5-9    | 10+    |
| 6101741   | PFT-3Z    | 3A      | 95x51x39   | 35.51      | 32.31  | 29.12  |
| 6101744   | PFT-6Z    | 6A      | 95x51x39   | 36.87      | 33.55  | 30.23  |
| 6101747   | PFT-10Z   | 10A     | 95x51x39   | 38.57      | 35.10  | 31.63  |
| 6101753   | PFT-20Z   | 20A     | 95x51x39   | 40.96      | 37.27  | 33.59  |
| 6101759   | PFT-25B   | 25A     | 171x105x80 | 76.98      | 70.05  | 63.12  |
| 6101765   | PFT-36B   | 36A     | 171x105x80 | 104.80     | 95.37  | 85.94  |
| 6101771   | PFT-50B   | 50A     | 171x105x80 | 122.11     | 111.12 | 100.13 |
| 6101777   | PFT-65B   | 65A     | 171x105x80 | 132.31     | 120.40 | 108.49 |
| 6101783   | PFT-80B   | 80A     | 274x140x58 | 155.88     | 141.85 | 127.82 |
| 6101789   | PFT-110B  | 110A    | 311x180x95 | 227.09     | 206.65 | 186.21 |
| 6101795   | PFT-150B  | 150A    | 311x180x95 | 296.65     | 269.95 | 243.25 |

**FVDT Series  
High Attenuation**



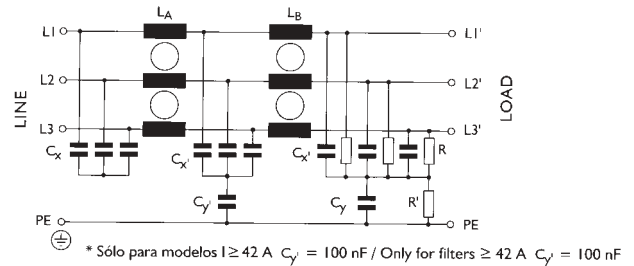
**Attenuation Graph for  
FVDT-030B**



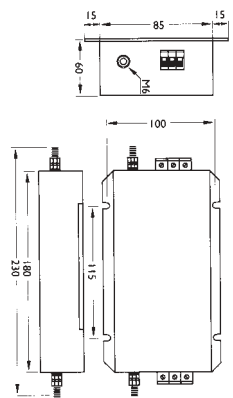
A range of 3 phase filters with high attenuation for variable speed drives. FVDT filters are available up to 900A rating.

Rated voltage 440 VAC, please enquire for 520VAC models  
 Leakage current 15mA (7A), 18mA (16A)  
 24mA (30A, 42A, 55A, 75A, 100A),  
 Terminals Terminal block  
 Approvals VDE (due end 2001)

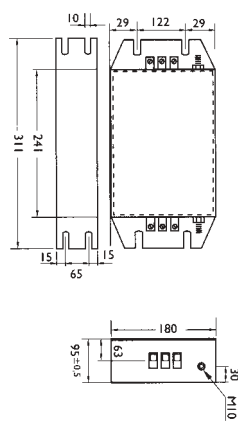
**FVDT Series Circuit Schematic (only for filters ≥ 42A)**



**Case size 230 x 105 x 60**



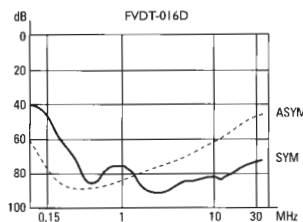
**Case size 311 x 180 x 95**



**FVDT-D Series  
Low Leakage Current  
for Frequency Converters**



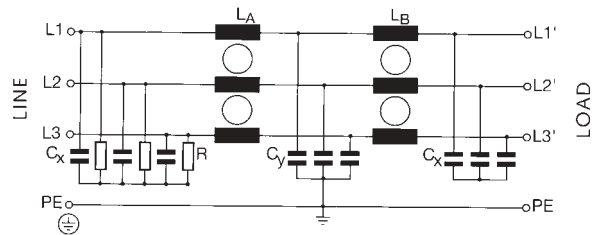
**Attenuation Graph for  
FVDT-016D**



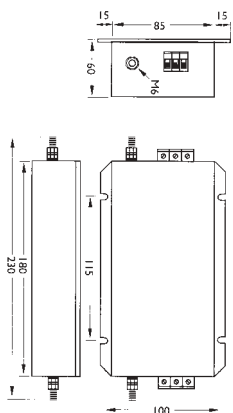
A range of 3 phase filters with low leakage current for variable speed drives.

Rated voltage 440 VAC, please enquire for 520VAC models  
 Leakage current 0.6mA at 400V / 50Hz  
 Terminals Terminal block  
 Approvals VDE (due end 2001)

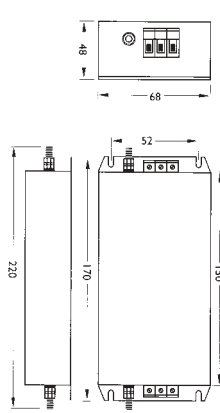
**FVDT-D Series Circuit Schematic**



**Case size 38**



**Case size 34**



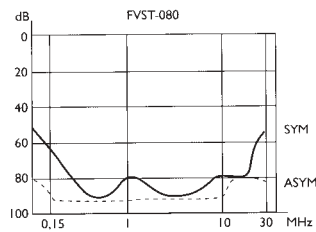
| Stock No. | Manf Ref' | Current | Case size  | Unit Price |        |        |
|-----------|-----------|---------|------------|------------|--------|--------|
|           |           |         |            | 1-4        | 5-9    | 10+    |
| 6101696   | FVDT-007B | 7A      | 190x105x55 | 62.62      | 56.98  | 51.35  |
| 6101702   | FVDT-016B | 16A     | 230x105x60 | 84.08      | 76.51  | 68.95  |
| 6101708   | FVDT-030B | 30A     | 274x140x58 | 113.31     | 103.11 | 92.91  |
| 6101714   | FVDT-042B | 42A     | 274x140x58 | 151.54     | 137.90 | 124.26 |
| 6101720   | FVDT-055B | 55A     | 311x180x95 | 158.39     | 144.13 | 129.88 |
| 6101726   | FVDT-075B | 75A     | 311x180x95 | 227.84     | 207.33 | 186.83 |
| 6101729   | FVDT-100B | 100A    | 351x180x95 | 273.51     | 248.89 | 224.28 |

| Stock No. | Manf Ref'  | Current | Case size | Unit Price |       |       |
|-----------|------------|---------|-----------|------------|-------|-------|
|           |            |         |           | 1-4        | 5-9   | 10+   |
| 6101672   | FVDT-005DB | 5A      | 34        | 55.14      | 50.18 | 45.21 |
| 6101678   | FVDT-008DB | 8A      | 34        | 59.94      | 54.55 | 49.15 |
| 6101684   | FVDT-016DB | 16A     | 38        | 75.47      | 68.68 | 61.89 |
| 6101690   | FVDT-028DB | 28A     | 38        | 91.05      | 82.86 | 74.66 |

**FVST Series  
High Power**



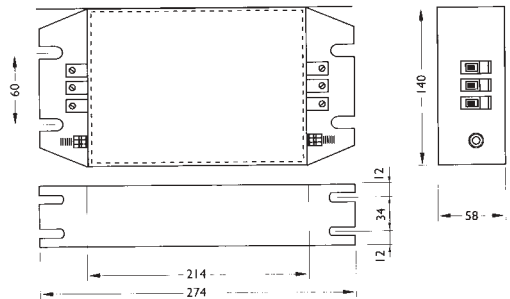
**Attenuation Graph for  
FVST-008**



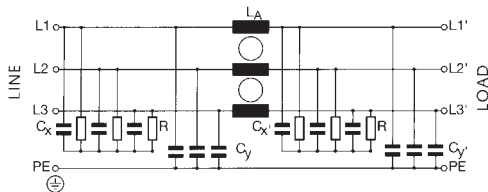
A range of high power 3 phase and neutral motor drive filters suitable for a wide range of industrial motor applications.

Rated voltage 440 VAC, 520VAC models (H version)  
 Leakage current  $\leq$  5mA at 400V / 50Hz  
 Terminals Terminal block  
 Approvals VDE (due end 2001)

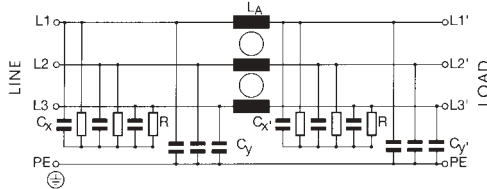
**Case size 274 x 140 x 58**



**FVST-006 / 008 / 016 Series Circuit Schematic**



**FVST-025 / 036 / 050 / 064 / 080 / 110 Series Circuit Schematic**



| Stock No.            | Manf Ref' | Current | Case size  | Unit Price |        |        |
|----------------------|-----------|---------|------------|------------|--------|--------|
|                      |           |         |            | 1-4        | 5-9    | 10+    |
| 6101645              | FVST-006  | 6A      | 190x105x55 | 58.76      | 53.47  | 48.18  |
| 6101648              | FVST-008  | 8A      | 230x115x60 | 69.80      | 63.52  | 57.24  |
| 6101651              | FVST-016  | 16A     | 230x115x60 | 75.24      | 68.47  | 61.70  |
| 6101654              | FVST-025  | 25A     | 274x140x58 | 110.28     | 100.35 | 90.43  |
| 6101657              | FVST-036  | 36A     | 274x140x58 | 116.63     | 106.13 | 95.64  |
| 6101660              | FVST-050  | 50A     | 274x140x58 | 119.89     | 109.10 | 98.31  |
| 6101663              | FVST-064  | 64A     | 274x140x58 | 142.93     | 130.07 | 117.20 |
| 6101666              | FVST-080  | 80A     | 311x180x95 | 227.80     | 207.30 | 186.80 |
| 6101669              | FVST-110  | 110A    | 311x180x95 | 234.51     | 213.40 | 192.30 |
| <b>520VAC Models</b> |           |         |            |            |        |        |
| 6101667              | FVST-H080 | 80A     | 311x180x95 | 227.80     | 207.30 | 186.80 |

To comply with EMC legislation it may be necessary to fit an EMI filter with a variable speed drive if the equipment is to be used in Europe. Filters with an attenuation of at least 40db between 150kHz and 30mHz will ensure compliance with the legislation in the majority of applications.

Suggested types; Single phase FC, FFH, FFHV  
 Three phase FVDT, FVDT-D, PFT

When selecting a filter ensure that it is rated higher than the full load current output of the drive, by a margin of approximately 25%. Please enquire for availability of different footprint types for any make of drive.

