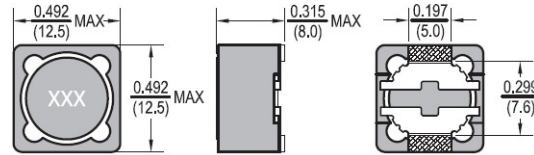




# Power Flat Shielded Inductor PFMS127

Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



| Wilco Part Number | Inductance (uh) | Tolerance (%) | Test Freq. KHz | DCR Max | IDC (mAmps) |
|-------------------|-----------------|---------------|----------------|---------|-------------|
| PFMS127-1R2M-LF   | 1.2             | 20            | 100            | 0.0070  | 9800        |
| PFMS127-2R2M-LF   | 2.2             | 20            | 100            | 0.0115  | 8000        |
| PFMS127-2R4M-LF   | 2.4             | 20            | 100            | 0.0115  | 8000        |
| PFMS127-3R3M-LF   | 3.3             | 20            | 100            | 0.0135  | 7500        |
| PFMS127-3R5M-LF   | 3.5             | 20            | 100            | 0.0135  | 7500        |
| PFMS127-4R7-M-LF  | 4.7             | 20            | 100            | 0.0158  | 6800        |
| PFMS127-7R6M-LF   | 7.6             | 20            | 100            | .02     | 5900        |
| PFMS127-100M-LF   | 10              | 20            | 1              | 0.0216  | 5400        |
| PFMS127-120M-LF   | 12              | 20            | 1              | 0.0243  | 4900        |
| PFMS127-150M-LF   | 15              | 20            | 1              | 0.027   | 4500        |
| PFMS127-180M-LF   | 18              | 20            | 1              | 0.0392  | 3900        |
| PFMS127-220M-LF   | 22              | 20            | 1              | 0.0432  | 3600        |
| PFMS127-270M-LF   | 27              | 20            | 1              | 0.0459  | 3400        |
| PFMS127-330M-LF   | 33              | 20            | 1              | 0.0648  | 3000        |
| PFMS127-390M-LF   | 39              | 20            | 1              | 0.0729  | 2750        |
| PFMS127-470M-LF   | 47              | 20            | 1              | 0.10    | 2500        |
| PFMS127-560M-LF   | 56              | 20            | 1              | 0.11    | 2350        |
| PFMS127-680M-LF   | 68              | 20            | 1              | 0.14    | 2100        |
| PFMS127-820M-LF   | 82              | 20            | 1              | 0.16    | 1950        |
| PFMS127-101M-LF   | 100             | 20            | 1              | 0.22    | 1700        |
| PFMS127-121M-LF   | 120             | 20            | 1              | 0.25    | 1600        |
| PFMS127-151M-LF   | 150             | 20            | 1              | 0.28    | 1420        |
| PFMS127-181M-LF   | 180             | 20            | 1              | 0.35    | 1300        |
| PFMS127-221M-LF   | 220             | 20            | 1              | 0.39    | 1160        |
| PFMS127-271M-LF   | 270             | 20            | 1              | 0.56    | 1060        |
| PFMS127-331M-LF   | 330             | 20            | 1              | 0.64    | 950         |
| PFMS127-391M-LF   | 390             | 20            | 1              | 0.7     | 880         |
| PFMS127-471M-LF   | 470             | 20            | 1              | 0.98    | 790         |
| PFMS127-561M-LF   | 560             | 20            | 1              | 1.07    | 730         |
| PFMS127-681M-LF   | 680             | 20            | 1              | 1.46    | 670         |
| PFMS127-821M-LF   | 820             | 20            | 1              | 1.64    | 600         |
| PFMS127-102M-LF   | 1000            | 20            | 1              | 1.64    | 550         |

**Features:** magnetically shielded, low DC resistance, high energy storage, low energy loss and suitable for pick and place.

**Physical:** packaging 500 pieces per 13 inch reel marking EIA inductance code

**Electrical:** operating temp. -40C to 85C rated current inductance drop 35% typical

**Resistance to Soldering Heat:** pre-heat 150C 1 min solder temp. 260C +/- 5C immersion time 10 sec +/- 1 sec solder composition Sn/Ag3.0/Cu0.5

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