

PANASONIC Fixed Inductors



RoHS Compliant This product is RoHS compliant.

ELJ-PB SERIES - 1812 CASE SIZE, HIGH POWER

Applications:

- AV equipment, Wireless communication equipment and various types of general electronic equipment

Features:

- Low DCR and large current capability, suitable for power circuitry
- Wire wound, resin molded chip inductor. (PC, PA, PB types)
- Capable of being Re-flow or flow soldered
- Wide line-up from 1005 to 4532 case sizes • Good for mounting

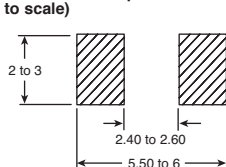
Specifications:

- Operating Temperature : -20°C to +85°C

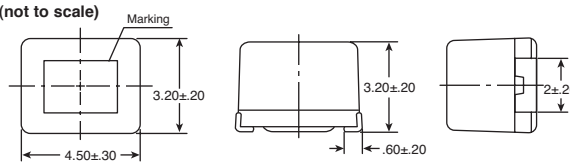


RoHS Compliant

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Panasonic Part No. | Inductance | | | Q | | SRF (MHz min) | DCR (Ω) | I _{rms} (mA) | Price Each | | | |
|------------------|--------------------|------------|------|------------------|------|------------------|---------------|---------|-----------------------|------------|-----|------|------|
| | | Value (μH) | Tol. | Test Freq. (MHz) | Min. | Test Freq. (MHz) | | | | 1 | 50 | 100 | 500 |
| 667-ELJ-PB100KF | ELJ-PB100KF | 10 | ±10% | 2.52 | 10 | 2.52 | 19 | 0.65 | 360 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB120KF | ELJ-PB120KF | 12 | ±10% | 2.52 | 10 | 2.52 | 17 | 0.7 | 340 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB150KF | ELJ-PB150KF | 15 | ±10% | 2.52 | 10 | 2.52 | 15 | 0.8 | 320 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB180KF | ELJ-PB180KF | 18 | ±10% | 2.52 | 10 | 2.52 | 14 | 0.9 | 310 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB220KF | ELJ-PB220KF | 22 | ±10% | 2.52 | 10 | 2.52 | 13 | 1 | 300 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB270KF | ELJ-PB270KF | 27 | ±10% | 2.52 | 10 | 2.52 | 11 | 1.2 | 270 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB330KF | ELJ-PB330KF | 33 | ±10% | 2.52 | 10 | 2.52 | 10 | 1.4 | 250 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB390KF | ELJ-PB390KF | 39 | ±10% | 2.52 | 10 | 2.52 | 9.5 | 1.6 | 230 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB470KF | ELJ-PB470KF | 47 | ±10% | 2.52 | 10 | 2.52 | 8.5 | 1.9 | 210 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB560KF | ELJ-PB560KF | 56 | ±10% | 2.52 | 10 | 2.52 | 8 | 2.2 | 190 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB680KF | ELJ-PB680KF | 68 | ±10% | 2.52 | 10 | 2.52 | 7 | 2.6 | 170 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB820KF | ELJ-PB820KF | 82 | ±10% | 2.52 | 10 | 2.52 | 6.5 | 3.5 | 160 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB101KF | ELJ-PB101KF | 100 | ±10% | 0.796 | 20 | 0.796 | 6 | 4 | 150 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB121KF | ELJ-PB121KF | 120 | ±10% | 0.796 | 20 | 0.796 | 5.5 | 4.5 | 130 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB151KF | ELJ-PB151KF | 150 | ±10% | 0.796 | 20 | 0.796 | 5 | 6.5 | 120 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB181KF | ELJ-PB181KF | 180 | ±10% | 0.796 | 20 | 0.796 | 4.5 | 7.5 | 110 | .39 | .36 | .271 | .166 |
| 667-ELJ-PB221KF | ELJ-PB221KF | 220 | ±10% | 0.796 | 20 | 0.796 | 0 | 0 | 0 | .39 | .36 | .271 | .166 |

Inductors

Panasonic

ELJ-FC SERIES - 1008 CASE SIZE, GENERAL USE

Applications:

- AV equipment, Wireless communication equipment and various types of general electronic equipment

Features:

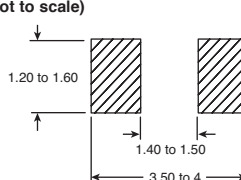
- General use wire wound, resin molded chip inductor
- Capable of being Re-flow or flow soldered
- Wide line-up from 2520 to 4532 case sizes
- Good for mounting

Specifications:

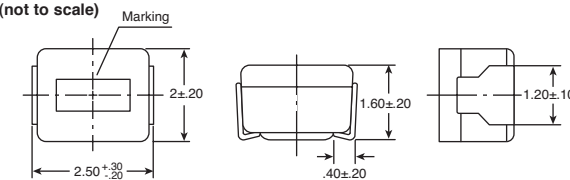
- Operating Temperature : -20°C to +85°C

RoHS Compliant

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Panasonic Part No. | Inductance | | | Q | | SRF (MHz min) | DCR (Ω) | I _{rms} (mA) | Price Each | | | |
|------------------|--------------------|------------|------|------------------|------|------------------|---------------|---------|-----------------------|------------|------|------|------|
| | | Value (μH) | Tol. | Test Freq. (MHz) | Min. | Test Freq. (MHz) | | | | 1 | 25 | 100 | 500 |
| 667-ELJ-FC1R0JF | ELJ-FC1R0JF | 1.0 | ±5% | 7.96 | 25 | 7.96 | 115 | 0.65 | 195 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R2JF | ELJ-FC1R2JF | 1.2 | ±5% | 7.96 | 25 | 7.96 | 100 | 0.75 | 180 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R5JF | ELJ-FC1R5JF | 1.5 | ±5% | 7.96 | 25 | 7.96 | 90 | 0.85 | 170 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R8JF | ELJ-FC1R8JF | 1.8 | ±5% | 7.96 | 25 | 7.96 | 85 | 0.95 | 160 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC2R2JF | ELJ-FC2R2JF | 2.2 | ±5% | 7.96 | 25 | 7.96 | 80 | 1.05 | 155 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC2R7JF | ELJ-FC2R7JF | 2.7 | ±5% | 7.96 | 25 | 7.96 | 75 | 1.2 | 145 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC3R3JF | ELJ-FC3R3JF | 3.3 | ±5% | 7.96 | 25 | 7.96 | 65 | 1.3 | 135 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC3R9JF | ELJ-FC3R9JF | 3.9 | ±5% | 7.96 | 25 | 7.96 | 60 | 1.4 | 130 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC4R7JF | ELJ-FC4R7JF | 4.7 | ±5% | 7.96 | 25 | 7.96 | 55 | 1.55 | 125 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC5R6JF | ELJ-FC5R6JF | 5.6 | ±5% | 7.96 | 25 | 7.96 | 50 | 1.75 | 120 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC6R8JF | ELJ-FC6R8JF | 6.8 | ±5% | 7.96 | 25 | 7.96 | 45 | 1.95 | 115 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC8R2JF | ELJ-FC8R2JF | 8.2 | ±5% | 7.96 | 25 | 7.96 | 40 | 2.2 | 105 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC100JF | ELJ-FC100JF | 10 | ±5% | 2.52 | 25 | 2.52 | 32 | 3.7 | 80 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC120JF | ELJ-FC120JF | 12 | ±5% | 2.52 | 25 | 2.52 | 30 | 4.1 | 75 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC150JF | ELJ-FC150JF | 15 | ±5% | 2.52 | 25 | 2.52 | 28 | 5 | 70 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC180JF | ELJ-FC180JF | 18 | ±5% | 2.52 | 25 | 2.52 | 25 | 5.4 | 65 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC220JF | ELJ-FC220JF | 22 | ±5% | 2.52 | 25 | 2.52 | 22 | 6 | 60 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC270JF | ELJ-FC270JF | 27 | ±5% | 2.52 | 20 | 2.52 | 21 | 6.3 | 115 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC330JF | ELJ-FC330JF | 33 | ±5% | 2.52 | 20 | 2.52 | 20 | 7.1 | 110 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC390JF | ELJ-FC390JF | 39 | ±5% | 2.52 | 20 | 2.52 | 18 | 9.5 | 90 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC470JF | ELJ-FC470JF | 47 | ±5% | 2.52 | 20 | 2.52 | 17 | 11 | 80 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC560JF | ELJ-FC560JF | 56 | ±5% | 2.52 | 20 | 2.52 | 16 | 12.1 | 75 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC680JF | ELJ-FC680JF | 68 | ±5% | 2.52 | 20 | 2.52 | 15 | 16.6 | 70 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC820JF | ELJ-FC820JF | 82 | ±5% | 2.52 | 20 | 2.52 | 13 | 19 | 65 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC101JF | ELJ-FC101JF | 100 | ±5% | 0.796 | 15 | 0.796 | 12 | 21 | 60 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR22KF | ELJ-FCR22KF | 0.22 | ±10% | 25.2 | 25 | 25.2 | 230 | 0.7 | 190 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR27KF | ELJ-FCR27KF | 0.27 | ±10% | 25.2 | 25 | 25.2 | 210 | 0.75 | 180 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR39KF | ELJ-FCR39KF | 0.39 | ±10% | 25.2 | 25 | 25.2 | 175 | 0.95 | 160 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR47KF | ELJ-FCR47KF | 0.47 | ±10% | 25.2 | 25 | 25.2 | 160 | 1 | 155 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR68KF | ELJ-FCR68KF | 0.68 | ±10% | 25.2 | 25 | 25.2 | 135 | 1.25 | 140 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR82KF | ELJ-FCR82KF | 0.82 | ±10% | 25.2 | 25 | 25.2 | 125 | 1.4 | 130 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R0KF | ELJ-FC1R0KF | 1.0 | ±10% | 7.96 | 25 | 7.96 | 115 | 0.65 | 195 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R2KF | ELJ-FC1R2KF | 1.2 | ±10% | 7.96 | 25 | 7.96 | 100 | 0.75 | 180 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R5KF | ELJ-FC1R5KF | 1.5 | ±10% | 7.96 | 25 | 7.96 | 90 | 0.85 | 170 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC1R8KF | ELJ-FC1R8KF | 1.8 | ±10% | 7.96 | 25 | 7.96 | 85 | 0.95 | 160 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC2R2KF | ELJ-FC2R2KF | 2.2 | ±10% | 7.96 | 25 | 7.96 | 80 | 1.05 | 155 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC2R7KF | ELJ-FC2R7KF | 2.7 | ±10% | 7.96 | 25 | 7.96 | 75 | 1.2 | 145 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC3R3KF | ELJ-FC3R3KF | 3.3 | ±10% | 7.96 | 25 | 7.96 | 65 | 1.3 | 135 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC3R9KF | ELJ-FC3R9KF | 3.9 | ±10% | 7.96 | 25 | 7.96 | 60 | 1.4 | 130 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC4R7KF | ELJ-FC4R7KF | 4.7 | ±10% | 7.96 | 25 | 7.96 | 55 | 1.55 | 125 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC5R6KF | ELJ-FC5R6KF | 5.6 | ±10% | 7.96 | 25 | 7.96 | 50 | 1.75 | 120 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC6R8KF | ELJ-FC6R8KF | 6.8 | ±10% | 7.96 | 25 | 7.96 | 45 | 1.95 | 115 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC8R2KF | ELJ-FC8R2KF | 8.2 | ±10% | 7.96 | 25 | 7.96 | 40 | 2.2 | 105 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC100KF | ELJ-FC100KF | 10 | ±10% | 2.52 | 25 | 2.52 | 32 | 3.7 | 80 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC120KF | ELJ-FC120KF | 12 | ±10% | 2.52 | 25 | 2.52 | 30 | 4.1 | 75 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC150KF | ELJ-FC150KF | 15 | ±10% | 2.52 | 25 | 2.52 | 28 | 5 | 70 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC180KF | ELJ-FC180KF | 18 | ±10% | 2.52 | 25 | 2.52 | 25 | 5.4 | 65 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC220KF | ELJ-FC220KF | 22 | ±10% | 2.52 | 25 | 2.52 | 22 | 6 | 60 | .22 | .204 | .153 | .141 |
| 667-ELJ-FC101KF | ELJ-FC101KF | 100 | ±10% | 0.796 | 15 | 0.796 | 12 | 21 | 60 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR22MF | ELJ-FCR22MF | 0.22 | ±20% | 25.2 | 25 | 25.2 | 230 | 0.7 | 190 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR27MF | ELJ-FCR27MF | 0.27 | ±20% | 25.2 | 25 | 25.2 | 210 | 0.75 | 180 | .22 | .204 | .153 | .141 |
| 667-ELJ-FCR33MF | ELJ-FCR33MF | 0.33 | ±20% | 25.2 | 25 | 25.2 | 190 | 0.85 | 170 | .22 | .204 | .153 | .141 |