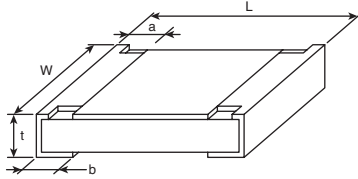


# PANASONIC Thick Film Chip Resistors

## ERJ SERIES LOW RESISTANCE TYPE

### Features:

- Small size and lightweight
- High reliability: Metal glaze thick film resistive element and three layers of electrodes
- Low Resistance Value
- Suitable for both reflow and flow soldering
- Operating Temperature Range: -55°C to +125°C



| Type<br>(in. size) | DIMENSIONS: mm      |                     |           |           |           |
|--------------------|---------------------|---------------------|-----------|-----------|-----------|
|                    | L                   | W                   | a         | b         | t         |
| ERJ3R (0603)       | 1.60±0.15           | 0.80<br>+0.15/-0.05 | 0.30±0.20 | 0.30±0.15 | 0.45±0.10 |
| ERJ6B (0805)       | 2.00±0.20           | 1.25±0.10           | 0.40±0.20 | 0.40±0.20 | 0.60±0.10 |
| ERJ8B (1206)       | 3.20<br>+0.05/-0.20 | 1.60<br>+0.05/-0.15 | 0.50±0.20 | 0.50±0.20 | 0.60±0.10 |
| ERJ14B (1210)      | 3.20±0.20           | 2.50±0.20           | 0.50±0.20 | 0.50±0.20 | 0.60±0.10 |

| MOUSER STOCK NO.  | Panasonic Part No. | Value (Ω) | Power Rating (Watts) | Case Size | Price Each |      |      | Reel Quantity | Price Per Piece |
|-------------------|--------------------|-----------|----------------------|-----------|------------|------|------|---------------|-----------------|
|                   |                    |           |                      |           | 1          | 100  | 500  |               |                 |
| <b>ERJ3R</b>      |                    |           |                      |           |            |      |      |               |                 |
| 667-ERJ-3RSFR12V  | ERJ-3RSFR12V       | 0.12      | 0.1                  | 0603      | .46        | .131 | .072 | 5000          | .031            |
| 667-ERJ-3RSFR15V  | ERJ-3RSFR15V       | 0.15      | 0.1                  | 0603      | .46        | .131 | .072 | 5000          | .031            |
| 667-ERJ-3RQFR22V  | ERJ-3RQFR22V       | 0.22      | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQJR22V  | ERJ-3RQJR22V       | 0.22      | 0.1                  | 0603      | .28        | .082 | .045 | 5000          | .018            |
| 667-ERJ-3RQFR27V  | ERJ-3RQFR27V       | 0.27      | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQFR33V  | ERJ-3RQFR33V       | 0.33      | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQFR68V  | ERJ-3RQFR68V       | 0.68      | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQF1R5V  | ERJ-3RQF1R5V       | 1.5       | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQF3R9V  | ERJ-3RQF3R9V       | 3.9       | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQF5R6V  | ERJ-3RQF5R6V       | 5.6       | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQF6R8V  | ERJ-3RQF6R8V       | 6.8       | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| 667-ERJ-3RQF8R2V  | ERJ-3RQF8R2V       | 8.2       | 0.1                  | 0603      | .29        | .087 | .048 | 5000          | .019            |
| <b>ERJ6B</b>      |                    |           |                      |           |            |      |      |               |                 |
| 667-ERJ-6BWFR010V | ERJ-6BWFR010V      | 0.010     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR015V | ERJ-6BWFR015V      | 0.015     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR020V | ERJ-6BWFR020V      | 0.020     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR022V | ERJ-6BWFR022V      | 0.022     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR030V | ERJ-6BWFR030V      | 0.030     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR033V | ERJ-6BWFR033V      | 0.033     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR039V | ERJ-6BWFR039V      | 0.039     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BWFR047V | ERJ-6BWFR047V      | 0.047     | 0.33                 | 0805      | 1.04       | .709 | .521 | 5000          | .269            |
| 667-ERJ-6BSFR12V  | ERJ-6BSFR12V       | 0.12      | 0.25                 | 0805      | .19        | .132 | .12  | 5000          | .103            |
| 667-ERJ-6BSFR15V  | ERJ-6BSFR15V       | 0.15      | 0.25                 | 0805      | .19        | .132 | .12  | 5000          | .103            |
| 667-ERJ-6BQFR22V  | ERJ-6BQFR22V       | 0.22      | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQFR27V  | ERJ-6BQFR27V       | 0.27      | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQFR33V  | ERJ-6BQFR33V       | 0.33      | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQFR56V  | ERJ-6BQFR56V       | 0.56      | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQFR68V  | ERJ-6BQFR68V       | 0.68      | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQFR82V  | ERJ-6BQFR82V       | 0.82      | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF1R2V  | ERJ-6BQF1R2V       | 1.2       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF1R5V  | ERJ-6BQF1R5V       | 1.5       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF1R8V  | ERJ-6BQF1R8V       | 1.8       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF2R7V  | ERJ-6BQF2R7V       | 2.7       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF3R3V  | ERJ-6BQF3R3V       | 3.3       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF3R9V  | ERJ-6BQF3R9V       | 3.9       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF4R7V  | ERJ-6BQF4R7V       | 4.7       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF5R6V  | ERJ-6BQF5R6V       | 5.6       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| 667-ERJ-6BQF6R8V  | ERJ-6BQF6R8V       | 6.8       | 0.25                 | 0805      | .15        | .103 | .094 | 5000          | .081            |
| <b>ERJ8B</b>      |                    |           |                      |           |            |      |      |               |                 |
| 667-ERJ-8BWFR010V | ERJ-8BWFR010V      | 0.01      | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR015V | ERJ-8BWFR015V      | 0.015     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR018V | ERJ-8BWFR018V      | 0.018     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR022V | ERJ-8BWFR022V      | 0.022     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR027V | ERJ-8BWFR027V      | 0.027     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR036V | ERJ-8BWFR036V      | 0.036     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR039V | ERJ-8BWFR039V      | 0.039     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR043V | ERJ-8BWFR043V      | 0.043     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR047V | ERJ-8BWFR047V      | 0.047     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR056V | ERJ-8BWFR056V      | 0.056     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR062V | ERJ-8BWFR062V      | 0.062     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR068V | ERJ-8BWFR068V      | 0.068     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR075V | ERJ-8BWFR075V      | 0.075     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR082V | ERJ-8BWFR082V      | 0.082     | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR100V | ERJ-8BWFR100V      | 0.10      | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BWFR033V | ERJ-8BWFR033V      | 0.33      | 0.5                  | 1206      | 1.24       | .58  | .431 | 5000          | .216            |
| 667-ERJ-8BSFR12V  | ERJ-8BSFR12V       | 0.12      | 0.33                 | 1206      | .28        | .198 | .18  | 5000          | .156            |
| 667-ERJ-8BSFR15V  | ERJ-8BSFR15V       | 0.15      | 0.33                 | 1206      | .28        | .198 | .18  | 5000          | .156            |
| 667-ERJ-8BSFR18V  | ERJ-8BSFR18V       | 0.18      | 0.33                 | 1206      | .28        | .198 | .18  | 5000          | .156            |
| <b>ERJ14B</b>     |                    |           |                      |           |            |      |      |               |                 |
| 667-ERJ-14BQFR22U | ERJ-14BQFR22U      | 0.22      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |
| 667-ERJ-14BQFR27U | ERJ-14BQFR27U      | 0.27      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |
| 667-ERJ-14BQFR33U | ERJ-14BQFR33U      | 0.33      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |
| 667-ERJ-14BQFR39U | ERJ-14BQFR39U      | 0.39      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |
| 667-ERJ-14BQF1R5U | ERJ-14BQF1R5U      | 1.5       | 0.5                  | 1210      | .38        | .266 | .242 | 5000          | .21             |
| 667-ERJ-14BQF1R8U | ERJ-14BQF1R8U      | 1.8       | 0.5                  | 1210      | .38        | .266 | .242 | 5000          | .21             |
| 667-ERJ-14BQF2R2U | ERJ-14BQF2R2U      | 2.2       | 0.5                  | 1210      | .38        | .266 | .242 | 5000          | .21             |
| 667-ERJ-14BQF4R7U | ERJ-14BQF4R7U      | 4.7       | 0.5                  | 1210      | .38        | .266 | .242 | 5000          | .21             |
| 667-ERJ-14BQF5R6U | ERJ-14BQF5R6U      | 5.6       | 0.5                  | 1210      | .38        | .266 | .242 | 5000          | .21             |
| 667-ERJ-14BQF6R8U | ERJ-14BQF6R8U      | 6.8       | 0.5                  | 1210      | .38        | .266 | .242 | 5000          | .21             |
| 667-ERJ-14BSFR10U | ERJ-14BSFR10U      | 0.10      | 0.5                  | 1210      | .77        | .537 | .488 | 5000          | .422            |
| 667-ERJ-14BSFR12U | ERJ-14BSFR12U      | 0.12      | 0.5                  | 1210      | .77        | .537 | .488 | 5000          | .422            |
| 667-ERJ-14BSFR15U | ERJ-14BSFR15U      | 0.15      | 0.5                  | 1210      | .77        | .537 | .488 | 5000          | .422            |
| 667-ERJ-14BSFR18U | ERJ-14BSFR18U      | 0.18      | 0.5                  | 1210      | .77        | .537 | .488 | 5000          | .422            |
| 667-ERJ-14BQFR47U | ERJ-14BQFR47U      | 0.47      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |
| 667-ERJ-14BQFR56U | ERJ-14BQFR56U      | 0.56      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |
| 667-ERJ-14BQFR68U | ERJ-14BQFR68U      | 0.68      | 0.5                  | 1210      | .43        | .30  | .273 | 5000          | .236            |