

GVCTX-4 Series

From 0.44 μH to 298.12 μH



SPECIFICATIONS

Parts are available in $\pm 20\%$ tolerance only.

| Part Number | PARALLEL | | | SERIES | | |
|-------------|--------------------------------|-----------------------|-------------------------|--------------------------------|-----------------------|-------------------------|
| | OCL ($\mu\text{H} \pm 20\%$) | DCR Max. (Ω) | Full Load Current (Adc) | OCL ($\mu\text{H} \pm 20\%$) | DCR Max. (Ω) | Full Load Current (Adc) |
| GVCTX0.47-4 | 0.44 | 0.004 | 7.00 | 1.76 | 0.016 | 3.50 |
| GVCTX0.68-4 | 0.78 | 0.005 | 6.00 | 3.14 | 0.020 | 3.00 |
| GVCTX1-4 | 1.23 | 0.006 | 5.00 | 4.90 | 0.024 | 2.50 |
| GVCTX2-4 | 1.76 | 0.007 | 4.90 | 7.06 | 0.028 | 2.45 |
| GVCTX5-4 | 4.90 | 0.014 | 4.40 | 19.60 | 0.056 | 2.20 |
| GVCTX8-4 | 8.28 | 0.018 | 3.50 | 33.12 | 0.072 | 1.75 |
| GVCTX10-4 | 9.60 | 0.019 | 3.40 | 38.42 | 0.078 | 1.70 |
| GVCTX15-4 | 14.16 | 0.024 | 3.00 | 56.64 | 0.096 | 1.50 |
| GVCTX20-4 | 19.60 | 0.055 | 2.10 | 78.40 | 0.220 | 1.05 |
| GVCTX25-4 | 25.92 | 0.063 | 2.00 | 103.68 | 0.253 | 1.00 |
| GVCTX33-4 | 33.12 | 0.072 | 1.80 | 132.50 | 0.287 | 0.90 |
| GVCTX50-4 | 50.18 | 0.111 | 1.50 | 200.70 | 0.443 | 0.75 |
| GVCTX68-4 | 67.08 | 0.157 | 1.20 | 268.32 | 0.630 | 0.60 |
| GVCTX100-4 | 99.23 | 0.302 | 0.92 | 396.90 | 1.210 | 0.46 |
| GVCTX150-4 | 148.23 | 0.372 | 0.82 | 592.90 | 1.488 | 0.41 |
| GVCTX200-4 | 200.70 | 0.545 | 0.64 | 802.82 | 2.180 | 0.32 |
| GVCTX300-4 | 298.12 | 0.672 | 0.62 | 1192.46 | 2.687 | 0.31 |

CHARACTERISTICS

Description: SMD 4 Pads Inductors

Applications: Single inductors, 1:1 coupled inductors, & 1:1 isolation transformers

Operating Temperature: -40°C to $+85^{\circ}\text{C}$

Storage Temperature: -40°C to $+125^{\circ}\text{C}$

Inductance Tolerance: $\pm 20\%$

Testing: Inductance is tested on an HP4285A at 100 kHz

Packaging: Bulk pack; packaged in plastic trays

Marking: Parts marked with inductance code & series type

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

| Size | A Nom. | B Nom. | C Max. | D Max. | E Max. | F Min. |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|
| mm | 11.30 | 13.9 | 6.90 | 3.05 | 3.56 | 0.762 |
| inches | 0.44 | 0.55 | 0.27 | 0.12 | 0.14 | 0.03 |

CONNECTION DIAGRAM

