



Monolithic Ceramic Capacitors for Automotive — GCM Series (Cont.)



| Size Code | Type | WV DC  | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing |       |               | Digi-Key Part No. | Tape and Reel |                    | Murata Part No.    |
|-----------|------|--------|-------------|-----------|------------------|-------------------|------------------|-------|---------------|-------------------|---------------|--------------------|--------------------|
|           |      |        |             |           |                  |                   | 10               | 100   | 500           |                   | Qty.          | Pricing            |                    |
| 0603      | C0G  | 100    | 1500pF      | ±5%       | 0.8              | 490-4951-1-ND     | 1.09             | 6.45  | 18.62         | 490-4951-2-ND     | 4,000         | 17.62/M            | GCM1885C2A152JA16D |
|           | X7R  | 6.3    | 2.2µF       | ±10%      | 0.8              | 490-5316-1-ND     | 3.58             | 21.13 | 60.96         | 490-5316-2-ND     | 4,000         | 58.46/M            | GCM188R70J225KE22D |
|           | X7R  | 16     | 0.1µF       | ±10%      | 0.8              | 490-4774-1-ND     | .43              | 2.55  | 7.36          | 490-4774-2-ND     | 4,000         | 7.21/M             | GCM188R71C104KA37D |
|           | X7R  | 16     | 0.47µF      | ±10%      | 0.8              | 490-4775-1-ND     | 1.20             | 7.08  | 20.42         | 490-4775-2-ND     | 4,000         | 19.22/M            | GCM188R71H222KA37D |
|           | X7R  | 16     | 1µF         | ±10%      | 0.8              | 490-5241-1-ND     | 2.89             | 17.07 | 49.25         | 490-5241-2-ND     | 4,000         | 47.25/M            | GCM188R71C105KA64D |
|           | X7R  | 25     | 0.22µF      | ±10%      | 0.8              | 490-4935-1-ND     | 1.13             | 6.66  | 19.22         | 490-4935-2-ND     | 4,000         | 18.42/M            | GCM188R71E224KA55D |
|           | X7R  | 25     | 0.47µF      | ±10%      | 0.8              | 490-4776-1-ND     | 1.32             | 7.81  | 22.53         | 490-4776-2-ND     | 4,000         | 21.63/M            | GCM188R71E474KA64D |
|           | X7R  | 50     | 1000pF      | ±10%      | 0.8              | 490-4777-1-ND     | .34              | 1.98  | 5.71          | 490-4777-2-ND     | 4,000         | 5.61/M             | GCM188R71H102KA37D |
|           | X7R  | 50     | 2200pF      | ±10%      | 0.8              | 490-4931-1-ND     | .31              | 1.83  | 6.37          | 490-4931-2-ND     | 4,000         | 4.81/M             | GCM188R71H222KA37D |
|           | X7R  | 50     | 4700pF      | ±10%      | 0.8              | 490-4932-1-ND     | .31              | 1.83  | 6.37          | 490-4932-2-ND     | 4,000         | 4.81/M             | GCM188R71H472KA37D |
|           | X7R  | 50     | 22000pF     | ±10%      | 0.8              | 490-4933-1-ND     | .51              | 3.02  | 8.71          | 490-4933-2-ND     | 4,000         | 8.01/M             | GCM188R71H223KA37D |
|           | X7R  | 50     | 47000pF     | ±10%      | 0.8              | 490-4934-1-ND     | .71              | 4.22  | 12.16         | 490-4934-2-ND     | 4,000         | 12.02/M            | GCM188R71H473KA55D |
|           | X7R  | 50     | 0.01µF      | ±10%      | 0.8              | 490-4778-1-ND     | .34              | 2.03  | 5.85          | 490-4778-2-ND     | 4,000         | 5.61/M             | GCM188R71H103KA37D |
|           | X7R  | 50     | 0.1µF       | ±10%      | 0.8              | 490-4779-1-ND     | .61              | 3.60  | 10.36         | 490-4779-2-ND     | 4,000         | 9.61/M             | GCM188R71H104KA57D |
|           | X7R  | 50     | 0.22µF      | ±10%      | 0.8              | 490-5402-1-ND     | 1.79             | 10.82 | 30.63         | 490-5402-2-ND     | 4,000         | 29.63/M            | GCM188R71H224KA64D |
|           | X7R  | 100    | 1000pF      | ±10%      | 0.8              | 490-4780-1-ND     | .47              | 2.81  | 8.11          | 490-4780-2-ND     | 4,000         | 8.01/M             | GCM188R72A102KA37D |
|           | X7R  | 100    | 0.01µF      | ±10%      | 0.8              | 490-4781-1-ND     | .50              | 2.91  | 8.41          | 490-4781-2-ND     | 4,000         | 8.01/M             | GCM188R72A103KA37D |
|           | X7R  | 100    | 0.022µF     | ±10%      | 0.8              | 490-4782-1-ND     | .75              | 4.43  | 12.76         | 490-4782-2-ND     | 4,000         | 12.02/M            | GCM188R72A223KA37D |
|           | X7R  | 100    | 2200pF      | ±10%      | 0.8              | 490-4929-1-ND     | .49              | 2.87  | 8.26          | 490-4929-2-ND     | 4,000         | 8.01/M             | GCM188R72A222KA37D |
|           | X7R  | 100    | 4700pF      | ±10%      | 0.8              | 490-4930-1-ND     | .65              | 3.85  | 11.12         | 490-4930-2-ND     | 4,000         | 10.41/M            | GCM188R72A472KA37D |
| 0805      | C0G  | 50     | 4700pF      | ±5%       | 0.6              | 490-4973-1-ND     | 1.88             | 11.14 | 32.14         | 490-4973-2-ND     | 4,000         | 31.23/M            | GCM2165C1H472JA16D |
|           | C0G  | 50     | 6800pF      | ±5%       | 0.85             | 490-4974-1-ND     | 2.36             | 13.95 | 40.24         | 490-4974-2-ND     | 4,000         | 38.44/M            | GCM2195C1H682JA16D |
|           | C0G  | 50     | 15000pF     | ±5%       | 0.85             | 490-5317-1-ND     | 4.08             | 24.15 | 69.67         | 490-5317-2-ND     | 4,000         | 67.27/M            | GCM2195C1H153JA16D |
|           | C0G  | 50     | 22000pF     | ±5%       | 1.25             | 490-5318-1-ND     | 4.12             | 24.31 | 70.12         | 490-5318-2-ND     | 3,000         | 67.27/M            | GCM21B5C1H223JA16D |
|           | C0G  | 50     | 0.01µF      | ±5%       | 0.85             | 490-4783-1-ND     | 3.20             | 18.90 | 54.50         | 490-4783-2-ND     | 4,000         | 52.06/M            | GCM2195C1H103JA16D |
|           | C0G  | 100    | 2200pF      | ±5%       | 0.6              | 490-4971-1-ND     | 1.70             | 10.05 | 28.98         | 490-4971-2-ND     | 4,000         | 28.03/M            | GCM2165C2A222JA16D |
|           | C0G  | 100    | 3300pF      | ±5%       | 0.6              | 490-4972-1-ND     | 2.11             | 12.44 | 35.88         | 490-4972-2-ND     | 4,000         | 34.44/M            | GCM2165C2A332JA16D |
|           | U2J  | 250    | 100pF       | ±5%       | 1.0              | 490-5024-1-ND     | 3.42             | 20.20 | 58.26         | 490-5024-2-ND     | 4,000         | 56.06/M            | GCM21A7U2E101JX01D |
|           | U2J  | 250    | 150pF       | ±5%       | 1.0              | 490-5025-1-ND     | 3.78             | 22.33 | 64.42         | 490-5025-2-ND     | 4,000         | 61.67/M            | GCM21A7U2E151JX01D |
|           | U2J  | 250    | 220pF       | ±5%       | 1.0              | 490-5026-1-ND     | 3.88             | 22.96 | 66.22         | 490-5026-2-ND     | 4,000         | 63.27/M            | GCM21A7U2E221JX01D |
|           | U2J  | 250    | 330pF       | ±5%       | 1.0              | 490-5027-1-ND     | 4.36             | 25.77 | 74.32         | 490-5027-2-ND     | 4,000         | 71.27/M            | GCM21A7U2E331JX01D |
|           | U2J  | 250    | 470pF       | ±5%       | 1.0              | 490-5028-1-ND     | 5.09             | 30.04 | 86.64         | 490-5028-2-ND     | 4,000         | 83.29/M            | GCM21A7U2E471JX01D |
|           | U2J  | 250    | 680pF       | ±5%       | 1.0              | 490-5029-1-ND     | 5.09             | 30.04 | 86.64         | 490-5029-2-ND     | 4,000         | 83.29/M            | GCM21A7U2E681JX01D |
|           | U2J  | 250    | 1000pF      | ±5%       | 1.0              | 490-5030-1-ND     | 5.09             | 30.04 | 86.64         | 490-5030-2-ND     | 4,000         | 83.29/M            | GCM21A7U2E102JX01D |
|           | U2J  | 250    | 1500pF      | ±5%       | 1.0              | 490-5031-1-ND     | 5.09             | 30.04 | 86.64         | 490-5031-2-ND     | 4,000         | 83.29/M            | GCM21A7U2E152JX01D |
|           | U2J  | 250    | 2200pF      | ±5%       | 1.0              | 490-5032-1-ND     | 5.09             | 30.04 | 86.64         | 490-5032-2-ND     | 4,000         | 83.29/M            | GCM21A7U2E222JX01D |
|           | X7R  | 6.3    | 10µF        | ±10%      | 1.25             | 490-5319-1-ND     | 7.14             | 42.22 | 121.77        | 490-5319-2-ND     | 3,000         | 116.92/M           | GCM21BR70J106KE22L |
|           | X7R  | 16     | 2.2µF       | ±10%      | 1.25             | 490-4786-1-ND     | 3.24             | 19.16 | 55.26         | 490-4786-2-ND     | 3,000         | 52.86/M            | GCM21BR71C225KA64L |
|           | X7R  | 16     | 4.7µF       | ±10%      | 1.25             | 490-5332-1-ND     | 7.47             | 44.14 | 127.33        | 490-5332-2-ND     | 3,000         | 122.53/M           | GCM21BR71C475KA73L |
|           | X7R  | 25     | 1µF         | ±10%      | 1.25             | 490-4785-1-ND     | 1.86             | 10.99 | 31.68         | 490-4785-2-ND     | 3,000         | 30.43/M            | GCM21BR71E105KA56L |
|           | X7R  | 25     | 2.2µF       | ±10%      | 1.25             | 490-4787-1-ND     | 6.42             | 37.95 | 109.46        | 490-4787-2-ND     | 3,000         | 104.91/M           | GCM21BR71E225KA73L |
|           | X7R  | 35     | 1µF         | ±10%      | 1.25             | 490-5320-1-ND     | 4.24             | 25.04 | 72.22         | 490-5320-2-ND     | 3,000         | 69.67/M            | GCM21BR71A105KA55L |
|           | X7R  | 50     | 0.22µF      | ±10%      | 1.25             | 490-4970-1-ND     | 2.05             | 12.13 | 34.99         | 490-4970-2-ND     | 3,000         | 33.64/M            | GCM21BR71H224KA37L |
|           | X7R  | 50     | 0.47µF      | ±10%      | 1.25             | 490-4788-1-ND     | 3.17             | 18.74 | 54.05         | 490-4788-2-ND     | 3,000         | 52.06/M            | GCM21BR71H474KA55L |
|           | X7R  | 100    | 47000pF     | ±10%      | 1.25             | 490-4969-1-ND     | 1.66             | 9.79  | 28.23         | 490-4969-2-ND     | 3,000         | 27.23/M            | GCM21BR72A473KA37L |
|           | X7R  | 100    | 0.1µF       | ±10%      | 1.25             | 490-4789-1-ND     | 1.55             | 9.16  | 26.43         | 490-4789-2-ND     | 3,000         | 25.63/M            | GCM21BR72A104KA37L |
|           | C0G  | 50     | 33000pF     | ±5%       | 0.85             | 490-5321-1-ND     | 6.11             | 36.12 | 104.21        | 490-5321-2-ND     | 4,000         | 100.10/M           | GCM3195C1H333JA16D |
|           | C0G  | 50     | 47000pF     | ±5%       | 1.15             | 490-5324-1-ND     | 6.64             | 39.25 | 113.22        | 490-5324-2-ND     | 3,000         | 108.91/M           | GCM31M5C1H473JA16L |
|           | C0G  | 50     | 68000pF     | ±5%       | 1.6              | 490-5323-1-ND     | 9.30             | 54.92 | 158.41        | 490-5323-2-ND     | 2,000         | 152.15/M           | GCM31C5C1H683JA16D |
|           | C0G  | 50     | 0.022µF     | ±5%       | 0.85             | 490-4790-1-ND     | 5.57             | 32.90 | 94.89         | 490-4790-2-ND     | 4,000         | 91.29/M            | GCM3195C1H223JA16D |
|           | C0G  | 50     | 0.1µF       | ±5%       | 1.6              | 490-5322-1-ND     | 10.16            | 60.07 | 173.28        | 490-5322-2-ND     | 2,000         | 166.57/M           | GCM31C5C1H104JA16L |
|           | C0G  | 100    | 4700pF      | ±5%       | 0.85             | 490-4976-1-ND     | 5.96             | 35.19 | 101.50        | 490-4976-2-ND     | 4,000         | 97.70/M            | GCM3195C2A472JA16D |
|           | C0G  | 100    | 5600pF      | ±5%       | 0.85             | 490-4791-1-ND     | 6.42             | 37.95 | 109.46        | 490-4791-2-ND     | 4,000         | 104.91/M           | GCM3195C2A562JA16D |
|           | C0G  | 100    | 6800pF      | ±5%       | 0.85             | 490-4977-1-ND     | 6.76             | 39.93 | 115.16        | 490-4977-2-ND     | 4,000         | 110.51/M           | GCM3195C2A682JA16D |
|           | C0G  | 100    | 10000pF     | ±5%       | 0.85             | 490-4978-1-ND     | 7.58             | 44.76 | 129.13        | 490-4978-2-ND     | 4,000         | 124.13/M           | GCM3195C2A103JA16D |
|           | U2J  | 250    | 3300pF      | ±5%       | 1.0              | 490-5033-1-ND     | 5.44             | 32.12 | 92.64         | 490-5033-2-ND     | 4,000         | 88.89/M            | GCM31A7U2E332JX01D |
|           | U2J  | 250    | 4700pF      | ±5%       | 1.0              | 490-5034-1-ND     | 5.44             | 32.12 | 92.64         | 490-5034-2-ND     | 4,000         | 88.89/M            | GCM31A7U2E472JX01D |
|           | U2J  | 250    | 6800pF      | ±5%       | 1.25             | 490-5035-1-ND     | 6.67             | 39.41 | 113.67        | 490-5035-2-ND     | 3,000         | 108.91/M           | GCM31B7U2E682JX01L |
|           | U2J  | 250    | 10000pF     | ±5%       | 1.25             | 490-5036-1-ND     | 6.67             | 39.41 | 113.67        | 490-5036-2-ND     | 3,000         | 108.91/M           | GCM31B7U2E103JX01L |
|           | U2J  | 630    | 10pF        | ±5%       | 1.0              | 490-5037-1-ND     | 5.69             | 33.58 | 96.85         | 490-5037-2-ND     | 4,000         | 92.90/M            | GCM31A7U2J100JX01D |
| U2J       | 630  | 15pF   | ±5%         | 1.0       | 490-5038-1-ND    | 5.69              | 33.58            | 96.85 | 490-5038-2-ND | 4,000             | 92.90/M       | GCM31A7U2J150JX01D |                    |
| U2J       | 630  | 22pF   | ±5%         | 1.0       | 490-5039-1-ND    | 5.69              | 33.58            | 96.85 | 490-5039-2-ND | 4,000             | 92.90/M       | GCM31A7U2J220JX01D |                    |
| U2J       | 630  | 33pF   | ±5%         | 1.0       | 490-5040-1-ND    | 5.69              | 33.58            | 96.85 | 490-5040-2-ND | 4,000             | 92.90/M       | GCM31A7U2J330JX01D |                    |
| U2J       | 630  | 47pF   | ±5%         | 1.0       | 490-5041-1-ND    | 5.36              | 31.65            | 91.29 | 490-5041-2-ND | 4,000             | 87.29/M       | GCM31A7U2J470JX01D |                    |
| U2J       | 630  | 68pF   | ±5%         | 1.0       | 490-5042-1-ND    | 5.69              | 33.58            | 96.85 | 490-5042-2-ND | 4,000             | 92.90/M       | GCM31A7U2J680JX01D |                    |
| U2J       | 630  | 100pF  | ±5%         | 1.0       | 490-5043-1-ND    | 4.90              | 28.94            | 83.48 | 490-5043-2-ND | 4,000             | 80.08/M       | GCM31A7U2J101JX01D |                    |
| U2J       | 630  | 150pF  | ±5%         | 1.0       | 490-5044-1-ND    | 4.82              | 28.48            | 82.13 | 490-5044-2-ND | 4,000             | 78.48/M       | GCM31A7U2J151JX01D |                    |
| U2J       | 630  | 220pF  | ±5%         | 1.0       | 490-5045-1-ND    | 5.12              | 30.25            | 87.24 | 490-5045-2-ND | 4,000             | 84.09/M       | GCM31A7U2J221JX01D |                    |
| U2J       | 630  | 330pF  | ±5%         | 1.0       | 490-5046-1-ND    | 5.12              | 30.25            | 87.24 | 490-5046-2-ND | 4,000             | 84.09/M       | GCM31A7U2J331JX01D |                    |
| U2J       | 630  | 470pF  | ±5%         | 1.0       | 490-5047-1-ND    | 5.12              | 30.25            | 87.24 | 490-5047-2-ND | 4,000             | 84.09/M       | GCM31A7U2J471JX01D |                    |
| U2J       | 630  | 680pF  | ±5%         | 1.0       | 490-5048-1-ND    | 5.37              | 31.70            | 91.44 | 490-5048-2-ND | 4,000             | 88.09/M       | GCM31A7U2J681JX01D |                    |
| U2J       | 630  | 1000pF | ±5%         | 1.0       | 490-5049-1-ND    | 5.60              | 33.06            | 95.34 | 490-5049-2-ND | 4,000             | 91.29/M       | GCM31A7U2J102JX01D |                    |