



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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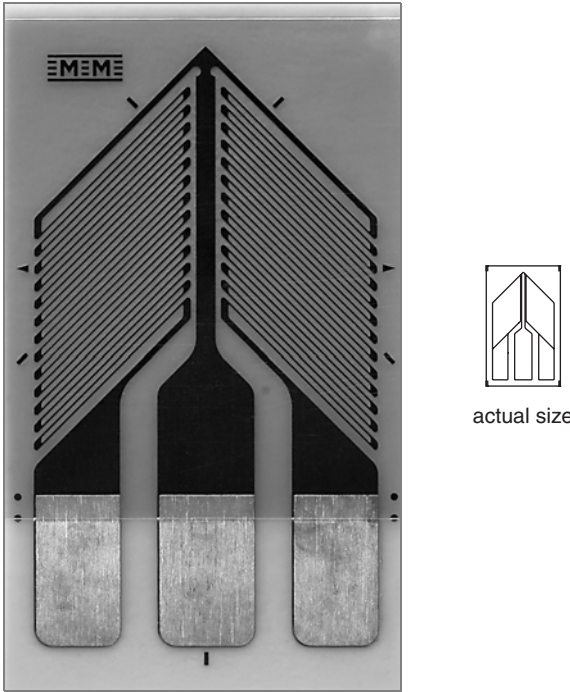
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## General Purpose Strain Gages - Shear/Torque Pattern

| GAGE PATTERN DATA   |   |   |                                       |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
|---|---|---|---------------------------------------|---|--|--------------|------------|----------|----------|----------|------|------|---------|----------|---------|---------|------|-----|--|--|--|--|--|
|   |   |   | <b>GAGE DESIGNATION</b><br>See Note 1 | <b>RESISTANCE (OHMS)</b>  | <b>OPTIONS AVAILABLE</b><br>See Note 2 |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
|   |   |   | CEA-XX-187UV-120<br>CEA-XX-187UV-350  | 120 ± 0.4%<br>350 ± 0.4%  | <b>P2</b><br><b>P2</b>                 |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| <b>DESCRIPTION</b><br>Two-element 90° rosette for torque and shear-strain measurement. Sections have a common electrical connection. Exposed solder tab area is 0.13 x 0.08 in [3.3 x 2.0 mm].  |   |   |                                       |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| <b>GAGE DIMENSIONS</b>  |   | Legend: ES = Each Section<br>S = Section (S1 = Sec 1) | CP = Complete Pattern<br>M = Matrix   | <table border="1"> <tr> <td>inch</td> </tr> <tr> <td>millimeter</td> </tr> </table> |  | inch         | millimeter |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| inch  |   |   |                                       |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| millimeter  |   |   |                                       |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>Gage Length</th> <th>Overall Length</th> <th>Grid Width</th> <th>Overall Width</th> <th>Matrix Length</th> <th>Matrix Width</th> </tr> </thead> <tbody> <tr> <td>0.187 ES</td> <td>0.560 CP</td> <td>0.150 ES</td> <td>0.320 CP</td> <td>0.63</td> <td>0.39</td> </tr> <tr> <td>4.75 ES</td> <td>14.22 CP</td> <td>3.81 ES</td> <td>8.13 CP</td> <td>15.9</td> <td>9.8</td> </tr> </tbody> </table> | Gage Length                             | Overall Length  | Grid Width                            | Overall Width   | Matrix Length                          | Matrix Width | 0.187 ES   | 0.560 CP | 0.150 ES | 0.320 CP | 0.63 | 0.39 | 4.75 ES | 14.22 CP | 3.81 ES | 8.13 CP | 15.9 | 9.8 |  |  |  |  |  |
| Gage Length   | Overall Length                          | Grid Width  | Overall Width                         | Matrix Length   | Matrix Width                           |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| 0.187 ES  | 0.560 CP                                | 0.150 ES  | 0.320 CP                              | 0.63  | 0.39                                   |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| 4.75 ES   | 14.22 CP                                | 3.81 ES   | 8.13 CP                               | 15.9  | 9.8                                    |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| GAGE SERIES DATA  |   |   |                                       |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| See Gage Series data sheet for complete specifications.   |   |   |                                       |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| Series  | Description                             | Strain Range  | Temperature Range                     |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |
| CEA   | Universal general-purpose strain gages. | ±5%   | -100° to +350°F [-75° to +175°C]      |   |  |              |            |          |          |          |      |      |         |          |         |         |      |     |  |  |  |  |  |

**Note 1:** Insert desired S-T-C number in spaces marked XX.

**Note 2:** Products with designations and options shown in bold are not RoHS compliant.

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