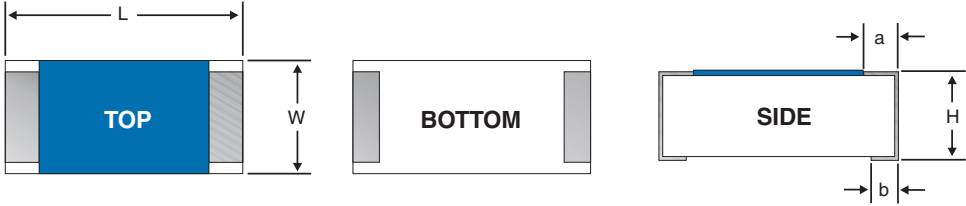


Physical Data

|                                                                                    |               |               |               |               |               |
|------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
|  |               |               |               |               |               |
|                                                                                    | L             | W             | H             | a             | b             |
| 0402                                                                               | 0.040" ±0.002 | 0.021" ±0.002 | 0.012" ±0.003 | 0.008" ±0.002 | 0.010" ±0.002 |
| 0603                                                                               | 0.063" ±0.004 | 0.031" ±0.004 | 0.020" ±0.004 | 0.012" ±0.005 | 0.015" ±0.005 |
| 0805                                                                               | 0.081" ±0.005 | 0.050" ±0.005 | 0.020" ±0.006 | 0.016" ±0.008 | 0.016" ±0.008 |
| 1206                                                                               | 0.126" ±0.006 | 0.063" ±0.005 | 0.024" ±0.004 | 0.016" ±0.008 | 0.016" ±0.008 |

Environmental Data

| Environmental Test<br>MIL-PRF-55342 | Thin Film Performance             |                |
|-------------------------------------|-----------------------------------|----------------|
|                                     | MIL-PRF-55342<br>Characteristic H | Typical IRC ΔR |
| Thermal Shock                       | ±0.25%                            | ±0.02%         |
| Low Temperature Operation           | ±0.25%                            | ±0.01%         |
| Short-time Overload                 | ±0.10%                            | ±0.01%         |
| High Temperature Exposure           | ±0.50%                            | ±0.03%         |
| Resistance to Solder                | ±0.25%                            | ±0.01%         |
| Moisture Resistance                 | ±0.40%                            | ±0.03%         |
| Life                                | ±2.0%                             | ±0.03%         |

General Note

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## Ordering Procedure

Example: D55342H07B1E00S (Style RM1206, ±50ppm/°C, specification number 07, SnPb termination, 1kΩ, ±1%, failure rate 0.001%/1000 hours)

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | 5 | 5 | 3 | 4 | 2 | H | 0 | 7 | B | 1 | E | 0 | 0 | S |
| 1 |   |   |   | 2 | 3 | 4 | 5 |   |   |   | 6 |   |   |   |

| 1<br>Military Designator |       | 2<br>Characteristic |            | 3<br>Specification |      | 4<br>Termination |      | 5<br>Value & Tolerance                                                                                                        | 6<br>Product Level |                |  |  |  |  |  |
|--------------------------|-------|---------------------|------------|--------------------|------|------------------|------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|--|--|--|--|--|
| M55342                   | 0402, | E                   | 25ppm/°C   | 11                 | 0402 | B                | SnPb | 4 character code.<br>Letter code marks<br>decimal position and<br>indicates multiplier<br>and tolerance - see<br>table below. | C                  | Non-ER         |  |  |  |  |  |
|                          | 0603, | H                   | 50 ppm/°C  | 12                 | 0603 | M                |      |                                                                                                                               | 1%/1000hrs         |                |  |  |  |  |  |
|                          | 0805  | K                   | 100 ppm/°C | 06                 | 0805 | P                |      |                                                                                                                               | 0.1%/1000hrs       |                |  |  |  |  |  |
| D55342                   | 1206  | M                   | 300 ppm/°C | 07                 | 1206 |                  |      |                                                                                                                               | R                  | 0.01%/1000hrs  |  |  |  |  |  |
|                          |       |                     |            |                    |      |                  |      |                                                                                                                               | S                  | 0.001%/1000hrs |  |  |  |  |  |
|                          |       |                     |            |                    |      |                  |      |                                                                                                                               | T                  | Space level    |  |  |  |  |  |

| Value & Tolerance Code |      | Multiplier |        |           |
|------------------------|------|------------|--------|-----------|
|                        |      | x1         | x 1000 | x1000,000 |
| Tolerance              | 0.1% | A          | B      | C         |
|                        | 1%   | D          | E      | F         |
|                        | 2%   | G          | H      | T         |
|                        | 5%   | J          | K      | L         |
|                        | 10%  | M          | N      | P         |

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