

# 1210 系列贴片压敏电阻

| Model Number   | Working voltage<br>(MAX) |           | Breakdown Voltage | Peak Current<br>(MAX) | Clamping Voltage<br>(MAX) |     | Energy Absorption<br>(MAX) | Typical Capacitance |
|----------------|--------------------------|-----------|-------------------|-----------------------|---------------------------|-----|----------------------------|---------------------|
|                | AC<br>(VRMS)             | DC<br>(V) |                   |                       | (A)                       | (V) |                            |                     |
| Unit Condition |                          |           | 1mA<br>(V)        | 8/20uS                |                           |     | 10/1000<br>(J)             | 1KHz<br>(pF)        |
| 1210ML080M     | 4                        | 55        | 8                 | 250                   | 2.5                       | 17  | 0.4                        | 8200                |
| 1210ML110M     | 6                        | 8         | 11                | 300                   | 2.5                       | 25  | 0.7                        | 7500                |
| 1210ML150K     | 8                        | 11        | 15                | 400                   | 2.5                       | 30  | 1.0                        | 4800                |
| 1210ML180K     | 11                       | 14        | 18                | 400                   | 2.5                       | 33  | 1.2                        | 2900                |
| 1210ML220K     | 12                       | 16.5      | 22                | 400                   | 2.5                       | 38  | 1.5                        | 2500                |
| 1210ML270K     | 17                       | 22        | 27                | 400                   | 2.5                       | 44  | 1.7                        | 2100                |
| 1210ML330K     | 20                       | 26        | 33                | 400                   | 2.5                       | 54  | 1.9                        | 1300                |
| 1210ML390K     | 25                       | 30        | 39                | 400                   | 2.5                       | 65  | 2.0                        | 1000                |
| 1210ML470K     | 30                       | 38        | 47                | 400                   | 2.5                       | 77  | 2.0                        | 900                 |
| 1210ML560K     | 35                       | 45        | 56                | 250                   | 2.5                       | 90  | 2.0                        | 600                 |
| 1210ML680K     | 40                       | 56        | 68                | 250                   | 2.5                       | 110 | 2.3                        | 450                 |
| 1210ML820K     | 50                       | 65        | 82                | 200                   | 2.5                       | 135 | 2.0                        | 300                 |
| 1210ML101K     | 60                       | 85        | 100               | 200                   | 2.5                       | 165 | 2.0                        | 160                 |

Notes:

- 1.Tolerance of breakdown voltage:15~18= $\pm 15\%$ ,22~56V= $\pm 15\%$  。
- 2.Tolerance of capacitance Voltage:  $\pm 20\%$  。
- 3.Typical leakage at 25℃<50uA, maximum leakage 100uA 。
- 4.In order to satisfy the applications of customer in various fields, the capacitance range  
※can be designed during manufacturing according  
to the request, please contact our sales department if needed 。

## Dimensions

| Model        | 0402<br>(1005)     | 0603<br>(1608)     | 0805<br>(2012)     | 1206<br>(3216)     | 1210<br>(3225)     | 1812<br>(4532)     | 2220<br>(5750)     |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Length (L)   | 1.00<br>$\pm 0.10$ | 1.60<br>$\pm 0.15$ | 2.00<br>$\pm 0.20$ | 3.20<br>$\pm 0.20$ | 3.20<br>$\pm 0.20$ | 4.50<br>$\pm 0.20$ | 5.70<br>$\pm 0.20$ |
| Width(W)     | 0.50<br>$\pm 0.10$ | 0.80<br>$\pm 0.10$ | 1.25<br>$\pm 0.15$ | 1.60<br>$\pm 0.15$ | 2.50<br>$\pm 0.20$ | 3.20<br>$\pm 0.20$ | 5.00<br>$\pm 0.20$ |
| Thickness(D) | 0.50<br>$\pm 0.10$ | 0.80<br>$\pm 0.10$ | 1.20max            | 1.50max            | 1.50max            | 2.00max            | 2.50max            |

