

04025A150JAT2A Datasheet

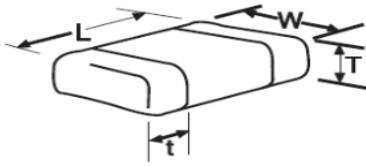
(0402 50V COG 15pF ±5%)

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SpiCAT
ONLINE TOOL



Dimensions

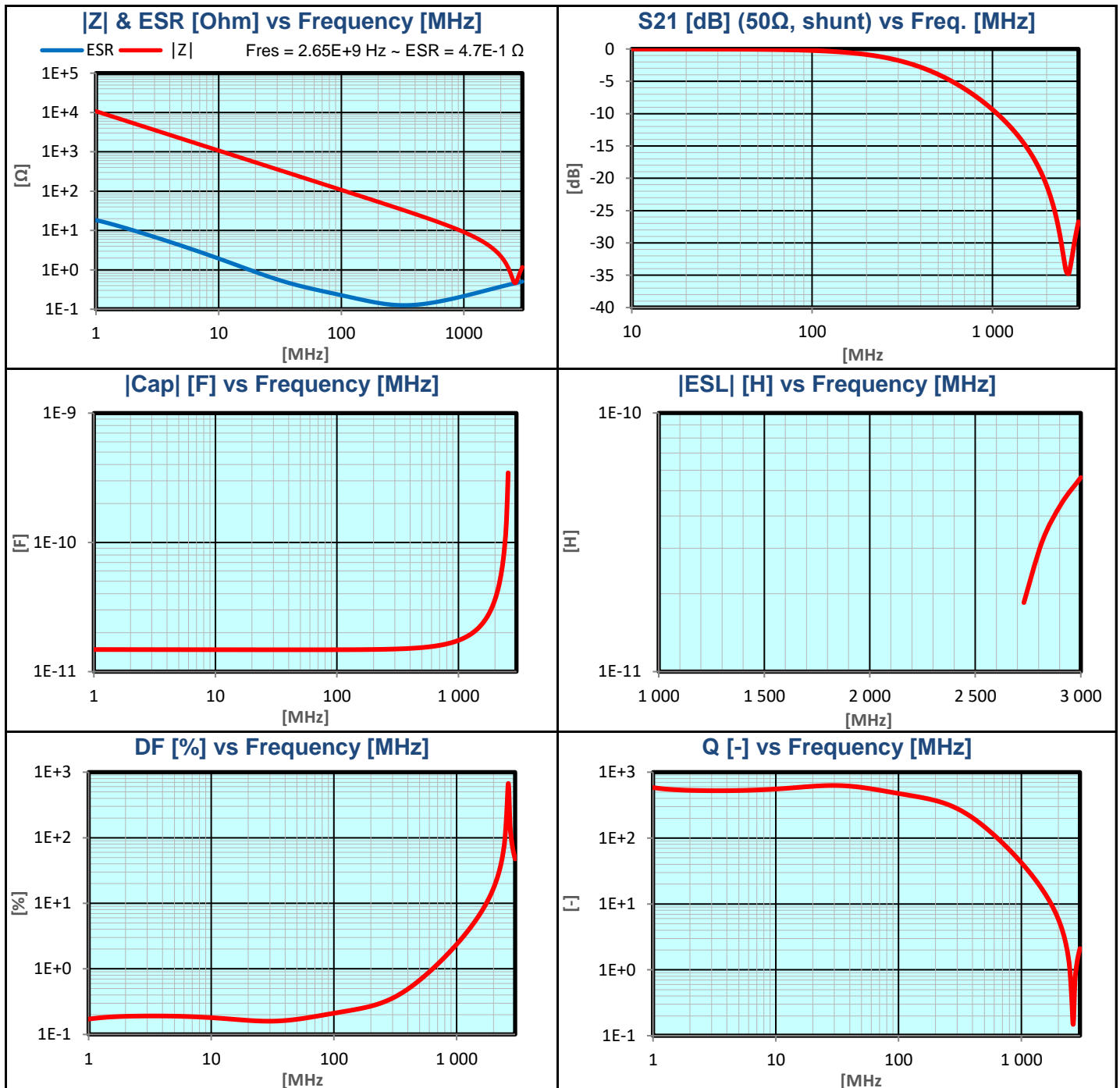


| | millimetres (inches) |
|--------|-----------------------------|
| L | 1.00 ± 0.10 (0.040 ± 0.004) |
| W | 0.50 ± 0.10 (0.020 ± 0.004) |
| T max. | 0.56 (0.022) |
| t | 0.25 ± 0.15 (0.010 ± 0.006) |

Basic Specifications

| Item | Unit | Spec. | Conditions |
|-----------------|------|-------------------|------------------------|
| Capacitance | pF | 14.25 to 15.75 | @ 1 MHz, 1 Vrms |
| DF | % | 0.143 max. | @ 1 MHz, 1 Vrms |
| IR | GΩ | 100 | @ 50 Vdc, t = 60 ± 5 s |
| DWV | Vdc | 125 | @ I ≤ 50mA, t ≤ 5 s |
| Op. Temperature | | -55 °C to +125 °C | |
| Dielectric | | COG (NP0) | |
| AEC-Q200 | | Not qualified | |
| RoHS Compliant | | Yes | |
| Termination | | Sn | |

Electrical Characteristics

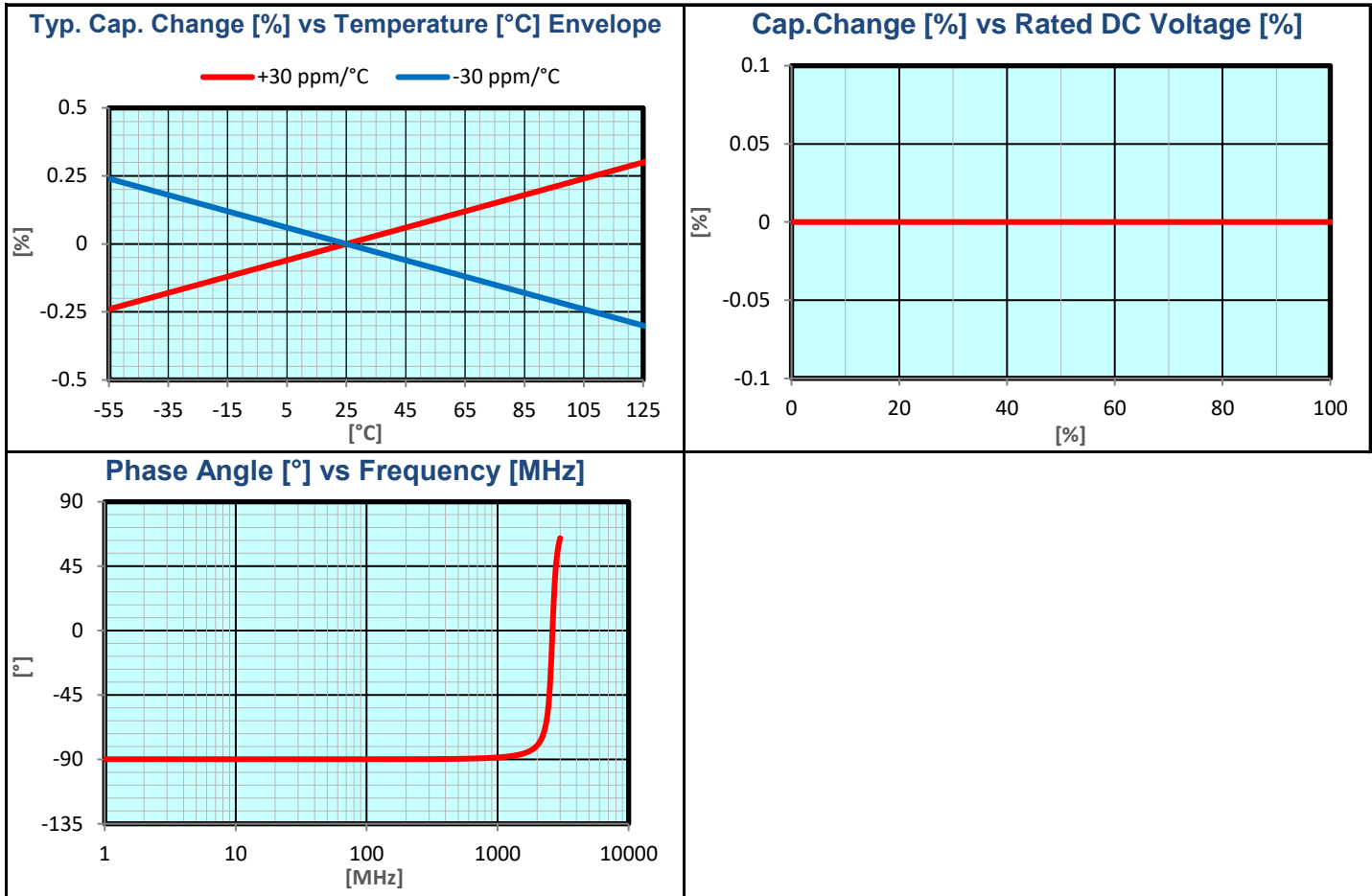


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(0402 50V C0G 15pF ±5%)

Electrical Characteristics



How To Order

| 0805 | 5 | A | 101 | J | 4 | T | 2 | A |
|-----------|----------|--------------------|-----------------------|-------------------------|----------------|---------------------|----------------------|--------------|
| Case Size | Voltage | Dielectric | Capacitance Code | Capacitance Tolerance | Failure Rate | Termination | Packaging/ Marking | Special Code |
| 0402 | Y = 16V | A = C0G (NP0) | (2 significant digits | B = ± 0.1 pF (< 10 pF) | A = Standard | T = Plated Ni/Sn | 2 = 7" Reel | A = Standard |
| 0603 | 3 = 25V | Q = C0G (NP0) | + no of zeros) | C = ± 0.25 pF (< 10 pF) | 4 = Automotive | U = Conductive Epo* | 4 = 13" Reel | |
| 0805 | 5 = 50V | Max. Temp. = 150°C | | D = ± 0.5 pF (< 10 pF) | | | U = 4mm TR (01005)** | |
| 1206 | 1 = 100V | | | F = ± 1 % (≥ 10 pF) | | | | |
| | 2 = 200V | | | G = ± 2 % (≥ 10 pF) | | | | |
| | V = 250V | | | J = ± 5% | | | | |
| | 7 = 500V | | | K = ± 10% | | | | |
| | | | | M = ± 20% | | | | |

Contact Factory For
1 = Pd/Ag**
7 = Gold Plated**
NOT RoHS COMPLIANT

Note:
 *Automotive parts only
 **Standard parts only
 0402 case size available in T termination only.

NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee or responsibility of any kind, expressed or implied. Specifications are typical and may not apply to all applications.