

Thick and Thin Film Engineering Kits

KITX

IMS' engineering kits are designed to provide engineers and designers with all of the basic values needed to build prototypes and pilot runs of new designs. This page covers all of the most popular IMS kits. However, kits are available for almost any IMS product. If you don't see a kit that fits your requirement, tell us. Whether it is thick film or thin film, surface mount or flip chip, solderable or epoxy mount; we can supply a solution.

Thick Film Resistors

| Part number | Typical Length | Typical Width | Max Height | Max Power | Max WV | Resistance Range | Available Tolerances |
|-------------|-------------------|-------------------|-------------------|-----------|--------|-------------------------|----------------------|
| RCI-0402 | 0.039" 1.00 mm | 0.020" 0.50 mm | 0.016" 0.40 mm | 63 mW | 50 | 1Ω - 1MΩ | 5 |
| RCI-0603 | 0.063" 1.60 mm | 0.031" 0.80 mm | 0.022" 0.55 mm | 100 mW | 50 | 10Ω - 1MΩ 1Ω - 10MΩ | 1, 5 5 |
| RCI-0805 | 0.079" 2.00 mm | 0.049" 1.25 mm | 0.026" 0.60 mm | 175 mW | 150 | 10Ω - 1MΩ 1Ω - 10MΩ | 1, 5 5 |
| RCI-1206 | 0.126" 3.10 mm | 0.063" 1.55 mm | 0.028" 0.65 mm | 250 mW | 200 | 10Ω - 1MΩ 1Ω - 10MΩ | 1, 5 5 |
| RCI-2010 | 0.197" 5.00 mm | 0.098" 2.50 mm | 0.028" 0.70 mm | 500 mW | 200 | 10Ω - 10KΩ 1Ω - 10KΩ | 1 5 |
| RCI-2512 | 0.248" 6.30 mm | 0.124" 3.15 mm | 0.028" 0.70 mm | 1 W | 350 | 10Ω - 10KΩ 1Ω - 10KΩ | 1 5 |
| RCD-0302PW | 0.030" 0.76mm | 0.020" 0.50 mm | 0.020" 0.50 mm | 63 mW | 50 | 10Ω - 2KΩ | 5 |
| RCC-0402PW | 0.040" 1.02 mm | 0.020" 0.50 mm | 0.020" 0.50 mm | 80 mW | 50 | 10Ω - 2KΩ | 5 |
| RCC-0502PW | 0.050" 1.27 mm | 0.020" 0.50 mm | 0.020" 0.50 mm | 100 mW | 50 | 10Ω - 2KΩ | 5 |
| RCC-0603PW | 0.060" 1.52 mm | 0.030" 0.76 mm | 0.020" 0.50 mm | 100 mW | 50 | 10Ω - 2KΩ | 5 |
| RCC-0805PW | 0.080" 2.03 mm | 0.050" 1.27 mm | 0.020" 0.66 mm | 175 mW | 150 | 10Ω - 2KΩ | 5 |

Thin Film Resistors

| | | | | | | | |
|----------|-------------------|-------------------|-------------------|--------|-----|-------------|-----|
| TPI-0805 | 0.079" 2.00 mm | 0.049" 1.25 mm | 0.020" 0.50 mm | 100 mW | 100 | 10Ω - 100KΩ | 0.5 |
|----------|-------------------|-------------------|-------------------|--------|-----|-------------|-----|

Thin Film Attenuators

| | | | | | | |
|----------|-------------------|-------------------|-------------------|--------|----------|-------------|
| A-0402WA | 0.039" 1.02 mm | 0.020" 0.51 mm | 0.014 0.36 mm | 32 mW | 1.26WVDC | 0dB - 10 dB |
| A-0603 | 0.063" 1.60 mm | 0.032" 0.81 mm | 0.020" 0.50 mm | 63 mW | 1.77WVDC | 0dB - 10 dB |
| A-0805 | 0.079" 2.00 mm | 0.049" 1.25 mm | 0.020" 0.50 mm | 100 mW | 2.24WVDC | 0dB - 10 dB |
| A-1206 | 0.126" 3.20 mm | 0.063" 1.60 mm | 0.020" 0.50 mm | 125 mW | 2.5WVDC | 0dB - 10 dB |



Features

Thick and thin film technology

Partial and full wraparound

Single side and flip chips

Chip resistors and chip attenuators

Custom kits available

E12, E24, and E96 decades

25, 50, and 100 pieces per value

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Available Resistor Kits

| Kit number | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
|------------|------|----------|-----------|-----------|-----------|-------------|------------|-----------|------------|
| Decade | | 1Ω - 10Ω | 10Ω- 100Ω | 100Ω- 1KΩ | 1KΩ- 10KΩ | 10KΩ- 100KΩ | 100KΩ- 1MΩ | 1MΩ- 10MΩ | All Values |
| IMS number | | | | | | | | | |
| RCI-0402 | 5% | 24 | 24 | 24 | 24 | 24 | 24 | | 144 |
| RCI-0603 | 1% | | 90 | 90 | 90 | 90 | 90 | | 450 |
| | 5% | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 168 |
| RCI-0805 | 1% | | 90 | 90 | 90 | 90 | 90 | | 450 |
| | 5% | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 168 |
| RCI-1206 | 1% | | 90 | 90 | 90 | 90 | 90 | | 450 |
| | 5% | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 168 |
| RCI-2010 | 5% | 24 | 24 | 24 | 24 | | | | 96 |
| RCI-2512 | 5% | 24 | 24 | 24 | 24 | | | | 96 |
| TPI-0805 | 0.5% | | 90 | 90 | 90 | 90 | | | 360 |

| Kit number | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
|------------|----|----|----------|------------|---------|----|----|----|----------|
| Decade | | | 10Ω- 91Ω | 100Ω- 910Ω | 1K - 2K | | | | 10Ω- 2KΩ |
| IMS number | | | | | | | | | |
| RCD-0302PW | 5% | | 24 | 24 | 8* | | | | 56 |
| RCC-0402PW | 5% | | 24 | 24 | 8* | | | | 56 |
| RCC-0502PW | 5% | | 24 | 24 | 8* | | | | 56 |
| RCC-0603PW | 5% | | 24 | 24 | 8* | | | | 56 |
| RCC-0805PW | 5% | | 24 | 24 | 8* | | | | 56 |

A Series thin film attenuator kits have 11 values ranging from 0 dB to 10 dB in 1 dB increments.

* Maximum resistance value is 2KΩ.

Ordering Information

Example: 24 values between 10Ω and 100Ω, 5% tolerance, 0402 size, 25 pieces per value

| | |
|---|---|
| Kit13 - B - 0402-J | |
| Kit number 12, 13, 14, 15, 16, 17, 18, 20 (all values) | Tolerance D = 0.5% F = 1% J = 5% No code for A-0805 |
| Pieces per value B = 25 C = 50 D = 100 | IMS part 0402 0603 0805 1206 2010 2512 0302PW 0402PW 0502PW 0603PW 0805PW A0402 A0603 A0805 A1206 use 0805P for TPI-0805 |

KITX ver.5 04/10 Specifications subject to change without notice.

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the Web -
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www.ims-
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