

KITX

Thick and Thin Film Engineering Kits

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 resistor or attenuator that IMS offers. 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

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

TPI-0805	0.079" 2.00 mm	0.049" 1.25 mm	0.020" 0.50 mm	100 mW	100	10Ω - 100KΩ	0.5
A-0805	0.079" 2.00 mm	0.049" 1.25 mm	0.020" 0.50 mm	100 mW	2.24	0dB - 10 dB	0.3dB

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

ims

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Available 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-0805 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 A0805 use 0805P for TPI-0805

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KITX ver.4 09/03 Specifications subject to change without notice.