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› Easyscen 0805 SMD Resistor Sample Book Instruction Manual

## Easyscen R0805

# Easyscen 0805 SMD Resistor Sample Book Instruction Manual

Model: R0805

## 1. INTRODUCTION

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The Easyscen 0805 SMD Resistor Sample Book is a comprehensive kit designed for efficient organization and access to a wide range of Surface Mount Device (SMD) resistors. This book contains 8500 individual 0805 size resistors, covering 170 distinct resistance values from 0 ohm to 10M ohm, each with a  $\pm 1\%$  tolerance. It is an essential tool for electronics professionals, hobbyists, and students engaged in product development, prototyping, repair, and educational projects. The book-like format ensures resistors are neatly stored, clearly labeled, and easily accessible, preventing mix-ups and improving workflow efficiency.



Figure 1: Front view of the Easyscen 0805 SMD Resistor Sample Book.

## 2. SETUP

### 2.1 Unpacking and Inspection

1. Carefully remove the Easyscen 0805 SMD Resistor Sample Book from its packaging.
2. Inspect the book for any signs of damage that may have occurred during transit.
3. Verify that the book contains all 170 resistor values as specified.

### 2.2 Familiarization with the Book Structure

The sample book is designed for intuitive use. Each page contains multiple strips of resistors, with clear labels indicating the resistance value and tolerance. The ring-binder mechanism allows for easy turning of pages and access to specific resistor values.

# 0805 SMD Resistor Assorted Folder 170value x 50pcs 8500pcs sample book



Figure 2: Interior view of the sample book displaying organized resistor strips.

# Easy to use, with clear labels, never confused



Figure 3: Detail of the ring binder and resistor strip organization.

## 3. OPERATING INSTRUCTIONS

### 3.1 Locating Resistors

Each resistor strip within the book features clear labels on both the front and back. To find a specific resistor value:

1. Open the book and navigate through the pages.
2. Refer to the labels on each strip to identify the desired resistance value (e.g., 1KΩ, 10KΩ).
3. The values are typically organized in ascending order for quick reference.

0R							
1R	10R	100R	1K	10K	100K	1M	10M
1. 1R	11R	110R	1. 1K	11K	110K	1. 1M	
1. 2R	12R	120R	1. 2K	12K	120K	1. 2M	
1. 3R	13R	130R	1. 3K	13K	130K	1. 3M	
1. 5R	15R	150R	1. 5K	15K	150K	1. 5M	
1. 6R	16R	160R	1. 6K	16K	160K	1. 6M	
1. 8R	18R	180R	1. 8K	18K	180K	1. 8M	
2R	20R	200R	2K	20K	200K	2M	
2. 2R	22R	220R	2. 2K	22K	220K	2. 2M	
2. 4R	24R	240R	2. 4K	24K	240K	2. 4M	
2. 7R	27R	270R	2. 7K	27K	270K	2. 7M	
3R	30R	300R	3K	30K	300K	3M	
3. 3R	33R	330R	3. 3K	33K	330K	3. 3M	
3. 6R	36R	360R	3. 6K	36K	360K	3. 6M	
3. 9R	39R	390R	3. 9K	39K	390K	3. 9M	
4. 3R	43R	430R	4. 3K	43K	430K	4. 3M	
4. 7R	47R	470R	4. 7K	47K	470K	4. 7M	
5. 1R	51R	510R	5. 1K	51K	510K	5. 1M	
5. 6R	56R	560R	5. 6K	56K	560K	5. 6M	
6. 2R	62R	620R	6. 2K	62K	620K	6. 2M	
6. 8R	68R	680R	6. 8K	68K	680K	6. 8M	
7. 5R	75R	750R	7. 5K	75K	750K	7. 5M	
8. 2R	82R	820R	8. 2K	82K	820K	8. 2M	
9. 1R	91R	910R	9. 1K	91K	910K	9. 1M	

Figure 4: Resistor values clearly labeled on each strip.

## 3.2 Removing Resistors

To remove a resistor from its strip:

1. Gently peel back the protective film covering the resistor strip.
2. Carefully pick up the desired 0805 SMD resistor using tweezers or a similar fine-tipped tool.
3. Avoid touching the resistor body directly with fingers to prevent contamination.

## 3.3 Storing Unused Resistors

After removing the required resistors, ensure the protective film is pressed back down firmly over the remaining resistors on the strip. This helps to keep them secure and protected from dust and loss.

Your browser does not support the video tag.

Video 1: Demonstration of the SMD Resistor Kit organization and access.

## 4. MAINTENANCE

### 4.1 Cleaning

To maintain the longevity and readability of your sample book:

- Wipe the exterior of the book with a soft, dry cloth as needed.
- Avoid using harsh chemicals or abrasive cleaners, which may damage the plastic material or labels.

### 4.2 Storage

Store the sample book in a cool, dry environment, away from direct sunlight and excessive humidity. Proper storage helps preserve the integrity of the resistors and the book itself.

### 4.3 Reusability

Once all resistors of a particular value have been used, the empty strip can be removed, and the book can be repurposed for storing other small electronic components or replacement resistor strips.

## 5. TROUBLESHOOTING

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### 5.1 Resistors Appear Mixed Up

If resistor values appear to be in the wrong location, refer to the clear labels on each strip. The design minimizes mix-ups, but if one occurs, carefully re-sort the resistors according to their marked values.

### 5.2 Difficulty Removing Resistors

Ensure the protective film is fully peeled back. Use fine-tipped tweezers for precise removal. Avoid excessive force to prevent damage to the resistors or the strip.

### 5.3 Missing Resistor Values

Double-check all pages and strips. If a specific value is genuinely missing or the quantity is incorrect upon initial receipt, please refer to the 'Warranty and Support' section for assistance.

## 6. SPECIFICATIONS

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<b>Item Type</b>	Sample Book
<b>Resistor Type</b>	0805 SMD Resistors
<b>Resistance Range</b>	0 ohm - 10M ohm
<b>Number of Values</b>	170
<b>Quantity per Value</b>	50 pcs
<b>Total Resistors</b>	8500 pcs
<b>Tolerance</b>	±1%
<b>Material</b>	Plastic
<b>Color</b>	Black
<b>Book Size (L x W x H)</b>	Approx. 19 x 13 x 3 cm (7.5" x 5.1" x 1.2")
<b>Item Weight</b>	15.9 ounces
<b>Manufacturer</b>	Easyscen
<b>UPC</b>	628497299662



Figure 5: Physical dimensions of the sample book.

0R							
1R	10R	100R	1K	10K	100K	1M	10M
1. 1R	11R	110R	1. 1K	11K	110K	1. 1M	
1. 2R	12R	120R	1. 2K	12K	120K	1. 2M	
1. 3R	13R	130R	1. 3K	13K	130K	1. 3M	
1. 5R	15R	150R	1. 5K	15K	150K	1. 5M	
1. 6R	16R	160R	1. 6K	16K	160K	1. 6M	
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2R	20R	200R	2K	20K	200K	2M	
2. 2R	22R	220R	2. 2K	22K	220K	2. 2M	
2. 4R	24R	240R	2. 4K	24K	240K	2. 4M	
2. 7R	27R	270R	2. 7K	27K	270K	2. 7M	
3R	30R	300R	3K	30K	300K	3M	
3. 3R	33R	330R	3. 3K	33K	330K	3. 3M	
3. 6R	36R	360R	3. 6K	36K	360K	3. 6M	
3. 9R	39R	390R	3. 9K	39K	390K	3. 9M	
4. 3R	43R	430R	4. 3K	43K	430K	4. 3M	
4. 7R	47R	470R	4. 7K	47K	470K	4. 7M	
5. 1R	51R	510R	5. 1K	51K	510K	5. 1M	
5. 6R	56R	560R	5. 6K	56K	560K	5. 6M	
6. 2R	62R	620R	6. 2K	62K	620K	6. 2M	
6. 8R	68R	680R	6. 8K	68K	680K	6. 8M	
7. 5R	75R	750R	7. 5K	75K	750K	7. 5M	
8. 2R	82R	820R	8. 2K	82K	820K	8. 2M	
9. 1R	91R	910R	9. 1K	91K	910K	9. 1M	

Figure 6: Partial list of resistor values included in the book.

## 7. WARRANTY AND SUPPORT

While specific warranty details are not provided, Easyscen is committed to customer satisfaction. If you encounter any questions, issues, or require assistance with your 0805 SMD Resistor Sample Book, please do not hesitate to contact our customer support. We are dedicated to providing the best possible service to ensure your experience with our product is positive.

