

Botron B6223 Technical Data Sheet



Overview:

Botron's Type T2 Rubber Table Mats dual layer design provides excellent electricals and durability. It exceeds both EOS/ESD and Department of Defense requirements. Available in Blue, Gray and Green rolls, and pre-cut table mats with hardware.

PROPERTIES

SPECIFICATIONS

Material:	.060" Thick Rubber Construction Dissipative Top Layer Conductive Bottom Layer
Electricals:	Top Layer 10^8 Conductive Back Layer 10^4 RTT (Resistance Top to Top) $5.8 \times 10^7 - 6 \times 10^8$ Ohms RTG (Resistance to Ground) $5.2 \times 10^7 - 5 \times 10^8$ Ohms
Charge Decay Time:	5000 volts to 50v <0.01 Seconds
Colors:	Blue, Gray, Green
Meets Standards:	ANSI EOS/ESD S4.1 RTG ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046

AVAILABLE APPLICATIONS

50' runners
Standard and Custom Cut Table Mats

Product Notes and Features

- Dual-Layer Design
- Superior Electricals
- Resistant to Hot Solder
- Conductive Bottom Layer
- Non-Skid Backing
- Reversible from Dissipative to Conductive
- Chemical and Abrasion Resistant
- Compatible with Constant Monitors
- Lead-Free RoHS Compliant



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Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user. The statements herein shall have no force or effect.

INSTALLATION

1. Remove mat from bag.
2. Attach 10' common point ground B9702 to 3/8" snap on mat.
3. Connect opposite end of wire to ground.
4. Check with your facility for building ground.

GROUNDING

All pre-cut mats come with attached snap and one B9703 common point ground. B9703 when properly setup will ground the mat and provide ground points for two workers via standard banana jack. For grounding rolls please see hardware (each mat will need a snap and ground to be effective).

TESTING GUIDELINES

Botron recommends testing ESD mats with the following test equipment: B8582, B8572, B8563, B8560, BSRM6, BSRM10.

Using two 5lbs. weights, placing them approximately 18" apart, conduct the test according to the test equipment which you are using.

Conduct this test to achieve a reading for RTG (resistance to ground) and RTT (resistance top to top) respectively.

When using the BSRM6 and BSRM10, simply place on top of surface of mat and hold down test button to achieve a surface resistance reading.

*Please note, it is recommended to read the testing guidelines provided with the ESD Tester you are using.

PART NUMBERS

Blue ESD Rubber Mat

B6123 2' x 3' 2 layer blue mat w/snap and ground
B6124 2' x 4' 2 layer blue mat w/snap and ground
B6125 2' x 5' 2 layer blue mat w/snap and ground
B61304 30" x 4' 2 layer blue mat w/snap and ground

B61250 2' x 50' blue 2 layer roll
B61350 3' x 50' blue 2 layer roll
B61450 4' x 50' blue 2 layer roll
B613050 30" x 50' blue 2 layer roll

Green ESD Rubber Mat

B6223 2' x 3' 2 layer green mat w/snap and ground
B6224 2' x 4' 2 layer green mat w/snap and ground
B6225 2' x 5' 2 layer green mat w/snap and ground
B62304 30" x 4' 2 layer green mat w/snap and ground

B62250 2' x 50' green 2 layer roll
B62350 3' x 50' green 2 layer roll
B62450 4' x 50' green 2 layer roll
B623050 30" x 50' green 2 layer roll

Gray ESD Rubber Mat

B6423 2' x 3' 2 layer gray mat w/snap and ground
B6424 2' x 4' 2 layer gray mat w/snap and ground
B6425 2' x 5' 2 layer gray mat w/snap and ground
B64304 30" x 4' 2 layer gray mat w/snap and ground

B64250 2' x 50' gray 2 layer roll
B64350 3' x 50' gray 2 layer roll
B64450 4' x 50' gray 2 layer roll
B643050 30" x 50' gray 2 layer roll

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