# 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.

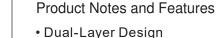
## PROPERTIES

#### **SPECIFICATIONS**

Material:	.060" Thick Rubber Construction Dissipative Top Layer Conductive Bottom Layer
Electricals:	Top Layer 10 <sup>8</sup>
RTT	Conductive Back Layer 10 <sup>4</sup>
(Resistance Top to Top) RTG	5.8×10 <sup>7</sup> - 6×10 <sup>8</sup> Ohms
(Resistance to Ground)	5.2×10 <sup>7</sup> - 5×10 <sup>8</sup> Ohms
Charge Decay Time:	5000 volts to 50v <0.01 Seconds
Colors:	Blue, Gray, Green
Meets Standards:	ANSI EOS/ESD S4.1 RTT
	ANSI EOS/ESD S4.1 RTG
	Fed Std 101 Method 4046
Warning:	Do not use alcohols/acetone to clean mats. This will dry out materials and destroy electrical properties.

## AVAILABLE APPLICATIONS

50' runners Standard and Custom Cut Table Mats



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



Botron Company Inc. | 21601 N. 21st Ave. Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

**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 B9703 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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