

Botron B6523 Technical Data Sheet



Overview:

Botron's Type T2+ Premium rubber table mats dual layer design provides excellent electricals and superior 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:	.080" Thick Rubber Construction Dissipative Top Layer Conductive Bottom Layer
Meets Standards:	ANSI EOS/ESD S4.1 RTG ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046
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

AVAILABLE APPLICATIONS

40' 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 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 Mat

B6523 2' x 3' 2 layer blue mat w/snap and ground
B6524 2' x 4' 2 layer blue mat w/snap and ground
B6525 2' x 5' 2 layer blue mat w/snap and ground
B65304 30" x 4' 2 layer blue mat w/snap and ground

B65240 2'x 40' blue 2 layer roll
B65340 3'x 40' blue 2 layer roll
B65440 4'x 40' blue 2 layer roll
B653040 30" x 40' blue 2 layer roll

Green ESD Mat

B62823 2'X 3' 2 layer green mat w/snap and ground
B62824 2'X 4' 2 layer green mat w/snap and ground
B62825 2'X 5' 2 layer green mat w/snap and ground
B628304 30"X 4' 2 layer green mat w/snap and ground

B628240 2' x 40' green 2 layer roll
B628340 3' x 40' green 2 layer roll
B628440 4' x 40' green 2 layer roll
B6283040 30" x 40' green 2 layer roll

Gray ESD Mat

B6623 2'X 3' 2 layer gray mat w/snap and ground
B6624 2'X 4' 2 layer gray mat w/snap and ground
B6625 2'X 5' 2 layer gray mat w/snap and ground
B66304 30"X 4' 2 layer gray mat w/snap and ground

B66240 2' x 40' gray 2 layer roll
B66340 3' x 40' gray 2 layer roll
B66440 4' x 40' gray 2 layer roll
B663040 30" x 40' gray 2 layer roll

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