

Botron B5123 Technical Data Sheet



Overview:

Botron's Type B+ Dissipative Vinyl Mat is a solid vinyl design that provides excellent electricals and superior durability. Being constructed of solid vinyl means it's not only durable but it's also reversible. Type B+ exceeds both EOS/ESD and Department of Defense requirements. All pre-cut mats come with attached snap and one B9703 common point ground.

PROPERTIES

SPECIFICATIONS

Material:	.090" Thick Vinyl Dissipative top and bottom layer
Surface Texture:	Smooth
Meets Standards:	ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046
Electricals:	RTT 5.8×10^7 - 6×10^8 Ohms RTG 5.2×10^7 - 5×10^8 Ohms Top layer $< 10^8$ Charge Decay Time 5000 volts to 50v < 0.01 Seconds
Size:	2' x 3'
Temperature:	30F - 100F
Colors:	Blue

Product Notes and Features

- Superior Electricals
- Cost Effective
- Compatible with Constant Monitors
- Lightweight and Easy to Cut to Size
- Reversible



AVAILABLE APPLICATIONS

50' runners
Standard and Custom Cut Table Mats

Botron Company Inc. | 325 W. Melinda Ln 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 B9702 to 3/8" snap on mat.
3. Connect opposite end of wire to ground.
4. Check with your facility people for building ground.

GROUNDING

All pre-cut mats come with attached snap and one B9703 common point ground.

The B9703, when properly set up, 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

B5123 2' x 3' Blue mat w/snap and ground
B5124 2' x 4' Blue mat w/snap and ground
B5125 2' x 5' Blue mat w/snap and ground
B51304 30' x 4' Blue mat w/snap and ground

B51250 2' x 50' Blue Roll
B51350 3' x 50' Blue Roll
B513050 30' x 50' Blue Roll
B51450 4' x 50' Blue Roll

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