

Botron B3023 Technical Data Sheet



Overview:

Botron's Critical Area Mat "CAM" Type T3+ rubber three layer design provides excellent electricals, superior durability, comfort and support. It exceeds both EOS/ESD and department of defense requirements. Available in Red rolls as well as pre-cut table mats with hardware.

PROPERTIES

SPECIFICATIONS

Material:	.120" Thick Rubber Construction Dissipative top layer Conductive bottom layer
Meets Standards:	ANSI/ESD S4.1, ANSI/ESD S7.1, ESD TR53 Fed Std 101 Method 4046
Electricals:	Top Layer 10^8 Conductive Back Layer 10^4
RTT (Resistance Top to Top)	5.8×10^7 - 6×10^8 Ohms
RTG (Resistance to Ground)	5.2×10^7 - 5×10^8 Ohms
Color:	Red

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
- Embossed Paper Finish
- Lead-Free RoHS Compliant
- Latex-Free



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).

PART NUMBERS

Red ESD Mat

B3023 2' x 3' 3 layer red mat w/snap and ground
B3024 2' x 4' 3 layer red mat w/snap and ground
B3025 2' x 5' 3 layer red mat w/snap and ground
B30250 2' x 50' 3 layer red rubber mat roll

TESTING GUIDELINES

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

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 B8560 and B8563, 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.