



**Metuchen Capacitors, Inc.**  
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**“We Offer Quick Solutions to Noise Pollution”**

## Barrier Strip Filtered Terminal Blocks

The barrier strip filtered terminal block is designed to provide excellent EMI/RFI filtering of AC and DC power lines and control lines. This terminal block is available in various sizes, with terminals for soldering, spade lugs or wire pigtails. Application examples include filtering power supplies in telecommunications equipment, metering, industrial controls, instrumentation and EDP equipment.

### Specifications (P<sub>i</sub> Schematic)

**ELECTRICAL**  
**Operating Temperature:** -55°C to 105°C  
**Working Voltage:** 100VDC  
**Capacitance:** 2,500 pF + 100% -0%  
**Dielectric withstanding voltage:** 1700VDC  
**Current rating:** 20A  
**D.C. resistance:** .01 ohms max.

### MECHANICAL (P<sub>i</sub> Schematic)

**Center Spacing:** .438" (11.1 mm)  
**Wire size:** AWG #12 max for 20A  
**Screw size:** 20A - #6-32, zinc-plated phillips screws  
**Molded material:** Black, UL rated 94VO thermoplastic  
**Tightening torque:** 9 in.- lbs. max.  
**Terminal:** Brass, tin-plated

### Features

- UL recognized and CSA approved for DC voltages.
- E133076, UL 1059
- LR92537, CSA STD 22.2 N° 158-1987 and ECN584B
- Filter element provides high insertion loss for EMI/RFI filtering of AC and DC power and control lines.
- Rugged construction provides protection to filtering element; especially useful for repeated changes in wiring or field connections.
- 2 to 6 terminals available (combine if larger number of terminals needed.)
- Cost-effective solution for industrial interconnection EMI filtering problems.
- Termination options available: straight lead, male or female disconnects, pigtail (12 AWG-22 AWG).

Typical Insertion Loss — dB: In 50 Ohm Circuit			
30 MHz.....	22	300 MHz.....	70
50 MHz.....	32	500 MHz.....	75
100 MHz.....	48	1000 MHz.....	75

### How To Order

**52 160 006 A A00**

#### Barrier Strip Terminal Block

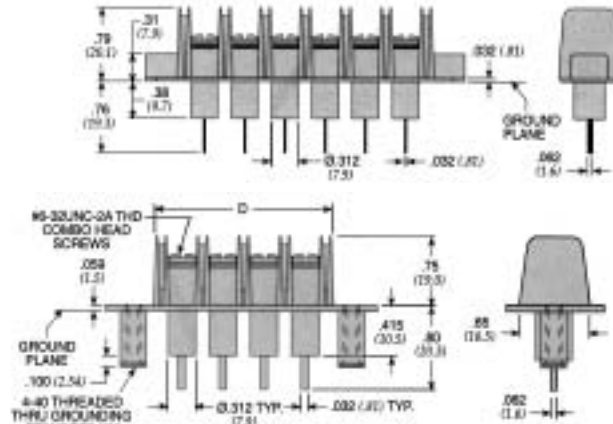
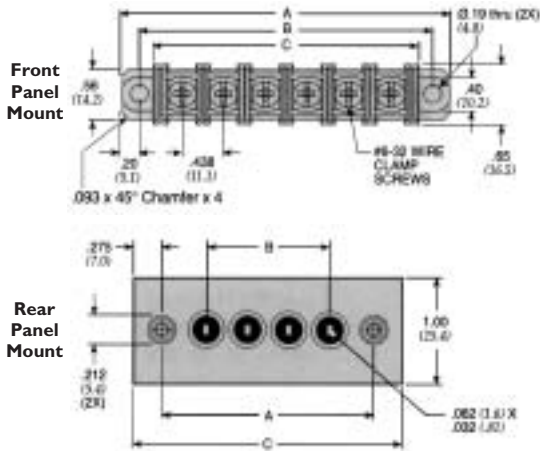
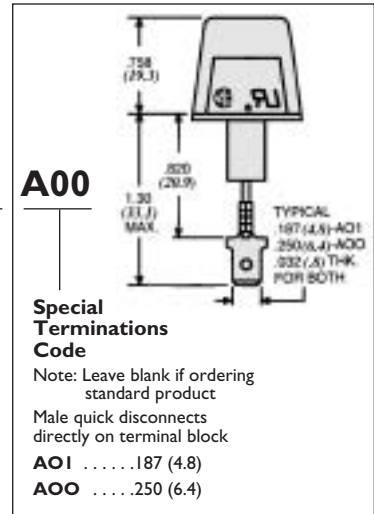
**160** - Front panel mount  
**188** - Rear panel mount

#### Number of Terminals

**002** - 2 terminals through  
**006** - 6 terminals

#### Current Rating

**A** - 20 Amps



### 20 Amps Front Panel Mount

MCI Part No.	Number of Circuits	in. A (mm)	in. B (mm)	in. C (mm)
52-160-002-A	2	1.71 (43.4)	1.31 (33.3)	1.02 (25.9)
52-160-003-A	3	2.15 (54.6)	1.75 (44.5)	1.46 (37.1)
52-160-004-A	4	2.59 (65.8)	2.19 (55.6)	1.90 (48.3)
52-160-005-A	5	3.02 (76.7)	2.62 (66.5)	2.32 (58.9)
52-160-006-A	6	3.46 (87.9)	3.06 (77.7)	2.77 (70.4)

### 20 Amps Rear Panel Mount

MCI Part No.	Number of Circuits	in. A (mm)	in. B (mm)	in. C (mm)	in. D (mm)
52-188-002-A	2	1.31 (33.3)	.438 (11.1)	1.86 (47.3)	1.02 (25.9)
52-188-003-A	3	1.75 (44.4)	.875 (22.2)	2.30 (58.4)	1.46 (37.1)
52-188-004-A	4	2.19 (55.6)	1.313 (33.3)	2.74 (69.5)	1.90 (48.3)
52-188-005-A	5	2.62 (66.6)	1.750 (44.4)	3.17 (80.6)	2.32 (58.9)
52-188-006-A	6	3.06 (77.7)	2.188 (55.6)	3.61 (91.7)	2.77 (70.4)

Dimensions in inches (mm)



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**AS 9100  
 ISO 9001**

