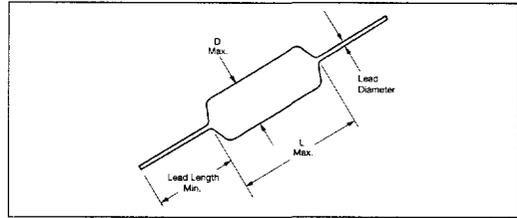
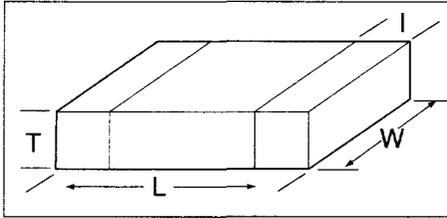


Transient Voltage Suppressors

StaticGuard – ESD Protection for CMOS Systems



HOW TO ORDER

V C 08 LC 18 A 500 R

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① **AVX Style:** V=Varistor (StaticGuard)
- ② **Case Size:** C=Chip
- ③ **Case Size Designator:**

| CODE SIZE | LENGTH | WIDTH |
|-----------|------------------------------|-----------------------------|
| 04=0402 | 1.00±0.1mm (.039"±.004") | 0.5±0.1mm (.020"±.004") |
| 06=0603 | 1.60±0.15mm (.063"±.006") | 0.8±0.15mm (.032"±.006") |
| 08=0805 | 2.01±0.2mm (.079"±.008") | 1.25±0.2mm (.049"±.008") |
| 12=1206 | 3.20±0.2mm (.126"±.008") | 1.60±0.2mm (.063"±.008") |

- ④ **Low Capacitance Design**
- ⑤ **Working Voltage**
- ⑥ **Energy Rating**
- ⑦ **Clamping Voltage**
- ⑧ **Packaging (Pcs/Reel):**
 D = 1,000 pieces per reel
 R = 4,000 pieces per reel
 T = 10,000 pieces per reel

HOW TO ORDER

V A 10 LC 18 A 500 R

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① **AVX Style:** V=Varistor (StaticGuard)
- ② **Case Size:** A=Axial
- ③ **Case Size Designator:**

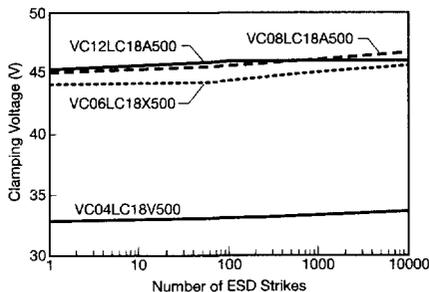
| CODE | LENGTH | WIDTH |
|------|------------------------|------------------------|
| 10 | 4.32mm max. (.170") | 2.54mm max. (.100") |

- ④ **Low Capacitance Design**
- ⑤ **Working Voltage**
- ⑥ **Energy Rating**
- ⑦ **Clamping Voltage**
- ⑧ **Packaging (Pcs/Reel):**
 D = 1,000 pieces per reel
 R = 3,000 pieces per reel
 T = 7,500 pieces per reel

| AVX Part Number | Working Voltage | Clamping Voltage | Peak Current | Transient Energy | Capacitance | Inductance |
|-----------------------|-----------------|------------------|--------------|------------------|-----------------|-------------------|
| Symbol | V_{WM} | V_c | I_{peak} | E_{trans} | C | L_L |
| Units | Volts (max.) | Volts (max.) | Amp. (max.) | Joules (max.) | pF (typ.) | nH (typ.) |
| Test Condition | <50µA | 8/20µs† | 8/20µs | 10/1000µs | 0.5Vrms @: 1MHz | di/dt = 100 mA/ns |
| VC04LC18V500 | ≤18V | <50V | 15 | 0.02 | 40 | <1.0 |
| VC06LC18X500 | 18V | 50V | 20 | 0.05 | 75 | <1.0 |
| VC08LC18A500 | 18V | 50V | 30 | 0.1 | 100 | <1.0 |
| VC12LC18A500 | 18V | 50V | 30 | 0.1 | 200 | <1.0 |
| VA10LC18A500 | 18V | 50V | 30 | 0.1 | 200 | <1.0 |

See note page 105

StaticGuard ESD RESPONSE IEC 1000-4-2 (8Kv Contact Discharge)



Additional information on this product is available from AVX's catalog or AVX's FAX Service. Call 1-800-879-1613 and request document #102. Visit our website <http://www.avxcorp.com>