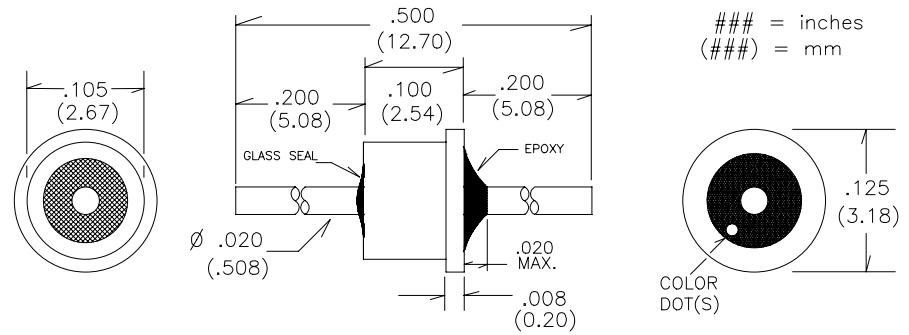
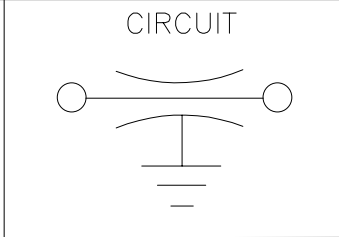


XSC502B  
 MINI .105" DIAMETER  
 5,000pF HERMETIC SOLDER-IN



- \* RoHS Compliant
- \* Discoidal Capacitor Construction

| PART NUMBER | EMI P/N | CAP. (pF) | COLOR DOT(S) | MAX. WVDC | DC AMPS | MINIMUM NO LOAD INSERTION LOSS |        |         |       |        |
|-------------|---------|-----------|--------------|-----------|---------|--------------------------------|--------|---------|-------|--------|
|             |         |           |              |           |         | 1 MHz                          | 10 MHz | 100 MHz | 1 GHz | 10 GHz |
| XSC502B     |         | 5,000     | YELLOW       | 100       | 5       | 5                              | 15     | 30      | 45    | 55     |

**ELECTRICAL**

CAPACITANCE TOLERANCE: +100/-0%

DISSIPATION FACTOR: 3.5% MAX.

INSULATION RESISTANCE:  
 25° C=10,000 Mohm Min.  
 125° C=1,000 Mohm Min.

DIELECTRIC STRENGTH (DWV):  
 250% of WVDC (5 seconds)

TEMPERATURE CHARACTERISTIC:  
 X7R or better

**PHYSICAL**

DIMENSION TOLERANCE:  
 CASE LENGTH: +/- .010" (.250mm)  
 LEAD LENGTH: +/- .030" (.762mm)  
 LEAD DIAMETER: +/- .002" (.051mm)

MATERIAL AND FINISH:  
 CASE: C12L14 CRS  
 LEAD: Alloy 52  
 FINISH: GOLD per MIL-G-45204  
 TYPE III, GRADE A, CLASS 1

**IDENTIFICATION & LIMITS**

MARKING: Color Dot standard per chart

OPERATING TEMP: -55° C to +125° C

INSTALLATION TEMPERATURE: 225° - 250° C

VENDOR:  
 EMI FILTER COMPANY  
 12750 59th Way N.  
 Clearwater, FL 33760  
 (727) 585-7990  
 (727) 586-5138 FAX  
 www.emifiltercompany.com

|  |                         |          |
|--|-------------------------|----------|
| FILTERS, EMI, MINIATURE,<br>SOLDER-IN STYLE, STANDARD SEAL |                         |          |
| FSCM NO.   | DWG NO.<br>XSC502B REVD | REV<br>D |