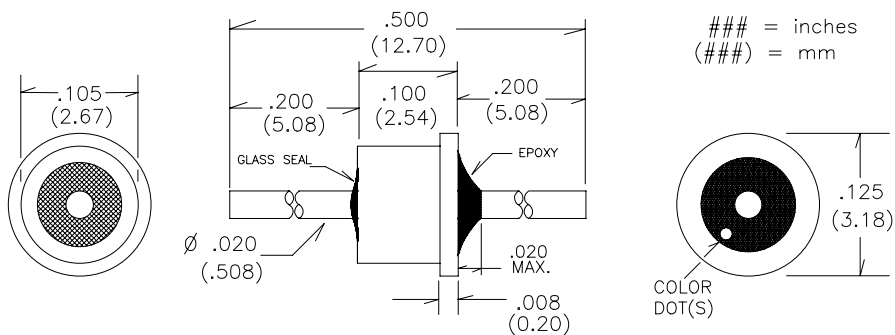
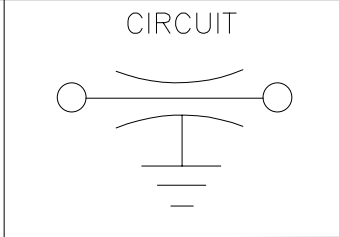


XSC103A  
 MINI .105" DIAMETER  
 10,000pF HERMETIC SOLDER-IN



\* 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 |
| XSC103A     |         | 10,000    | 2 WHITE      | 50        | 5       | 6                              | 21     | 35      | 50    | 60     |

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:<br>EMI FILTER COMPANY<br>12750 59th Way N.<br>Clearwater, FL 33760<br>(727) 585-7990<br>(727) 586-5138 FAX<br>www.emifiltercompany.com |  |              | FILTERS, EMI, MINIATURE,<br>SOLDER-IN STYLE, STANDARD SEAL |     |  |
| FSCM NO.   |  | DWG NO.      |  | REV |  |
|  |  | XSC103A REVD |  | D   |  |