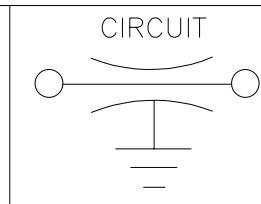
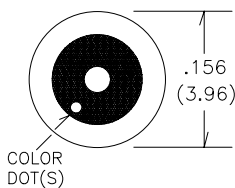


### = inches  
 (###) = mm



\* 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 |
|             | ZSC000D | 0         |              | 200       | 10      |                                |        |         |       |        |
|             | ZSC050D | 5 MAX.    | NONE         | 200       | 10      |                                |        |         |       |        |
|             | ZSC100D | 10        | VIOLET       | 200       | 10      |                                |        |         | 5     | 20     |
|             | ZSC250D | 25        | BLUE         | 200       | 10      |                                |        |         | 10    | 25     |
|             | ZSC101D | 100       | GREEN        | 200       | 10      |                                |        | 3       | 20    | 28     |
|             | ZSC501D | 500       | BROWN        | 200       | 10      |                                |        | 15      | 35    | 40     |
|             | ZSC102D | 1000      | WHITE        | 200       | 10      |                                | 5      | 20      | 35    | 45     |
|             | ZSC122D | 1200      | WHITE        | 200       | 10      |                                | 5      | 20      | 35    | 45     |
|             | ZSC152D | 1500      | WHITE        | 200       | 10      |                                | 7      | 23      | 37    | 47     |
|             | ZSC272D | 2700      | RED          | 200       | 10      | 5                              | 10     | 25      | 40    | 50     |
|             | ZSC502D | 5000      | YELLOW       | 200       | 10      | 5                              | 15     | 30      | 45    | 55     |
|             | ZSC502B | 5000      | YELLOW       | 100       | 10      | 5                              | 15     | 30      | 45    | 55     |
|             | ZSC103B | 10,000    | 2 WHITE      | 100       | 10      | 6                              | 20     | 35      | 50    | 60     |
|             | ZSC153B | 15,000    | 2 WHITE      | 100       | 10      | 8                              | 21     | 35      | 55    | 60     |
|             | ZSC273A | 27,000    | 2 RED        | 50        | 10      | 10                             | 28     | 42      | 65    | 65     |
|             | ZSC333A | 33,000    | 2 RED        | 50        | 10      | 11                             | 30     | 44      | 65    | 65     |

**ELECTRICAL**

CAPACITANCE TOLERANCE: +100/-0%  
 or AS NOTED

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 II, CLASS 1

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

**IDENTIFICATION & LIMITS**

MARKING: Color Dot standard per chart

OPERATING TEMP: -55° C to +125° C

INSTALLATION TEMPERATURE: 225° - 250° C

FILTERS, EMI, SOLDER-IN STYLE,  
 STANDARD SEAL

|          |                      |          |
|----------|----------------------|----------|
| FSCM NO. | DWG NO.<br>ZSCs REVD | REV<br>D |
|----------|----------------------|----------|