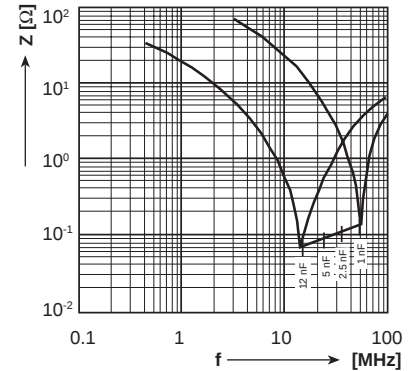
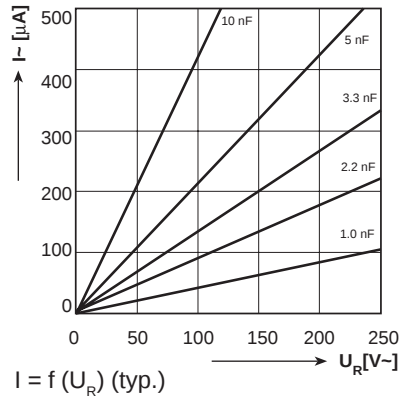
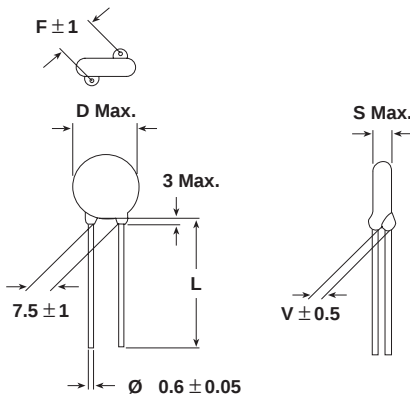


## Ceramic Disc Capacitors, Suppression Capacitors Class X1 AC 440V/Class Y2 AC 250V

Dimensions in mm



Impedance (Z) as a function of frequency (f) at  $T_a = 20^\circ\text{C}$  (average).  
Measurement with lead length 6mm.

### DESIGN:

Disc capacitors with epoxy coating  
acc. to EN 132 400/IEC 60384-14/2; 1993

### RATED VOLTAGE $U_R$ :

X1  $\Rightarrow$  AC 440V, 50Hz  
Y2  $\Rightarrow$  AC 250V, 50Hz  
(CSA/UL: AC 250V, 60Hz)

### DIELECTRIC STRENGTH BETWEEN LEADS:

Component test:  
AC 2200V, 50Hz/2 sec.  
(Current limitation: max 50mA)  
As repeated test admissible only once  
with AC 2000V, 50Hz/2sec.  
Random sampling test:  
AC 1500V; 50Hz/60 sec.

### DIELECTRIC STRENGTH OF BODY INSULATION

AC 2000V, 50Hz/60 sec.

### DISSIPATION FACTOR $\tan \delta$ :

$\leq 25 \times 10^{-3}$

### INSULATION RESISTANCE $R_{is}$ :

$\leq 6 \times 10^9 \Omega$

### TEMPERATURE CHARACTERISTIC ACC. TO EN 130 700:

2 E 3 (K 4000)

### CLIMATIC CATEGORY ACC. TO EN 60068-1:

40/125/21

### COATING:

Epoxy dipped, insulating, flame retarding acc. to UL 94V-0

### Important:

Minimum thickness of 0.4mm for the epoxy coating is confirmed by the VDE-approval board in Germany

### TAPE AND SPECIAL LEAD CONFIGURATIONS:

On request

### MARKING:

$D \leq 9\text{mm}$



Additional on the label:  
all approval marks

$D \geq 10\text{mm}$



Additional on the label:  
all approval marks



| CAPACITANCE<br>(mm) | D x s Max.<br>(mm) | F ± 1*<br>(mm) | d ± 0.05*<br>(mm) | V ± 0.5*       | ORDERING CODE<br>DIELECTRIC | CERAMIC |
|---------------------|--------------------|----------------|-------------------|----------------|-----------------------------|---------|
| 1000 pF             | 6.5 x 4.5          | 5              | 0.6               | 1.4            | WYO 102.CM...K              | K 4000  |
| 1500 pF             | 8.0 x 4.5          |                |                   |                | WYO 152.CM...K              | K 4000  |
| 1800 pF             | 8.0 x 4.5          |                |                   |                | WYO 182.CM...K              | K 4000  |
| 2200 pF             | 9.0 x 4.5          |                |                   |                | WYO 222.CM...K              | K 4000  |
| 2500 pF             | 9.0 x 4.5          |                |                   |                | WYO 252.CM...K              | K 4000  |
| 3300 pF             | 10.0 x 4.5         | 7.5            |                   | 1.6            | WYO 332.CM...K              | K 4000  |
| 4700 pF             | 12.0 x 4.5         |                |                   |                | WYO 472.CM...K              | K 4000  |
| 5000 pF             | 12.0 x 4.5         |                |                   |                | WYO 502.CM...K              | K 4000  |
| 6800 pF             | 17.0 x 4.5         |                |                   |                | WYO 682.CM...K              | K4000   |
| 8200 pF             | 17.0 x 4.5         |                |                   |                | WYO 822.CM...K              | K 4000  |
| 0.01 μF             | 21.0 x 4.5         |                |                   | WYO 103.CM...K | K 4000                      |         |
| 0.012 μF            | 21.0 x 4.5         |                |                   | WYO 123.CM...K | K 4000                      |         |

\*Standard lead configuration, other lead spacing and diameter available on request.

Capacitance tolerances: ± 20%

|                       |                       |                                                               |           |
|-----------------------|-----------------------|---------------------------------------------------------------|-----------|
| <b>Ordering Code:</b> | 7th digit:            | Capacitance tolerance:                                        | ± 20% = M |
|                       | 10th/11th/12th digit: | Lead configuration (See page 106/107 - Document Number 22207) |           |

## APPROVALS

| COUNTRY                    | SPECIFICATION                                                                                                                  | ELECTRICAL<br>VALUES                            | APPROVAL<br>REFERENCE                           | APPROVAL<br>MARK |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------|
| USA<br>(for AC 250V)       | UL1414-(Line-by-pass)                                                                                                          | 1000pF-12nF                                     | E 183 844                                       |                  |
| Canada<br>(for AC 250V)    | C 22.2 No. 1 M-1994 - (Across-the-line)<br>C 22.2 No. 1 M-1994 - (Line-to-ground)<br>C 22.2 No. 1 M-1994 - (Antenna isolation) | 1000pF - 12nF<br>1000pF - 12nF<br>1000pF - 12nF | LR 64546 - 10<br>LR 64546 - 10<br>LR 64546 - 10 |                  |
| Germany*<br>CB-Certificate | IEC 60384-14/2 ⇒ X1 AC760V<br>IEC 60384-14/2 ⇒ Y1 AC500V                                                                       | 33pFX1 - 4700pFX1<br>33pFY1 - 4700pFY1          | DE 1 - 8208<br>DE 1 - 8208                      |                  |
| Germany*<br>VDE            | IEC 60384-14/2 ⇒ X1 AC760V<br>IEC 60384-14/2 ⇒ Y1 AC500V                                                                       | 33pFX1 - 4700pFX1<br>33pFY1 - 4700pFY1          | 116 967<br>116 967                              |                  |

\*This approval mark together with the CB-Certificate replaces all national approval marks shown in table 1 on page 106  
Document Number 22207

**SOLDERING RECOMMENDATIONS:** (See page 106 - Document Number 22207)

**ORDERING INFORMATION:** (See page 106 - Document Number 22207)

|                      |                          |                       |                            |                                     |                           |
|----------------------|--------------------------|-----------------------|----------------------------|-------------------------------------|---------------------------|
| <b>WYO</b><br>SERIES | <b>103</b><br>CAP. VALUE | <b>M</b><br>TOLERANCE | <b>CM</b><br>RATED VOLTAGE | <b>CF0</b><br>LEAD<br>CONFIGURATION | <b>K</b><br>INTERNAL CODE |
|----------------------|--------------------------|-----------------------|----------------------------|-------------------------------------|---------------------------|