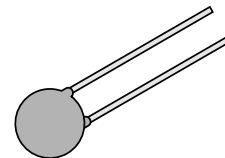


# Xicon Very High Voltage Ceramic Disc Capacitors

## CDR Series

### FEATURES

- Linear temperature coefficient of capacitance
- High stability of capacitance
- Low loss across a wide frequency range



### CHARACTERISTICS

| Item                        |                       |
|-----------------------------|-----------------------|
| Operating Temperature Range | -55 to +85° C         |
| Capacitance Tolerance       | ±10%                  |
| Working Voltage             | 10KV, 12KV, 15KV      |
| Insulation Resistance       | 10000 Megohms Minimum |
| Test Voltage                | 1.5 X Working Voltage |

### PART NUMBERING SYSTEM

|            |                                       |                |                    |   |             |           |
|------------|---------------------------------------|----------------|--------------------|---|-------------|-----------|
| <b>CDR</b> | <b>103</b>                            | <b>N</b>       | <b>9</b>           | - | <b>101</b>  | <b>K</b>  |
| Series     | Voltage<br>2 Sig Figs &<br># of zeros | Temp<br>Coeff. | Lead<br>Space (mm) |   | Capacitance | Tolerance |

| Temp. Coeff. | Code     |
|--------------|----------|
| NPO          | <b>N</b> |
| N750         | <b>E</b> |
| SL           | <b>S</b> |
| Y5P          | <b>P</b> |

| Lead Space | Code     |
|------------|----------|
| 2.5mm      | <b>2</b> |
| 5.0mm      | <b>5</b> |

| Tolerance | Code     |
|-----------|----------|
| ±0.25pF   | <b>C</b> |
| ±5%       | <b>J</b> |
| ±10%      | <b>K</b> |
| ±20%      | <b>M</b> |
| ±0.5%     | <b>D</b> |
| ±80/-20%  | <b>Z</b> |

| Style    | Code     |
|----------|----------|
| Straight | <b>S</b> |
| Formed   | <b>F</b> |

### DIMENSIONS CAPACITANCE RANGES

| Dimensions |     | Working Voltage; Temperature Coefficient; Capacitance Range (pF) |          |       |          |       |          |
|------------|-----|------------------------------------------------------------------|----------|-------|----------|-------|----------|
|            |     | 10KV                                                             |          | 12KV  |          | 15KV  |          |
|            |     | SL                                                               | Y5P      | SL    | Y5P      | SL    | Y5P      |
| 7          | 9.5 | 10                                                               |          |       |          |       |          |
| 8          | 9.5 | 12-15                                                            | 39-150   | 10-12 | 39-150   | 10    | 39-100   |
| 9          | 9.5 | 18-22                                                            | 180-220  | 15-20 | 180-220  | 12-15 | 150-220  |
| 10         | 9.5 | 27-33                                                            | 250-330  | 22-27 |          | 18-22 |          |
| 11         | 9.5 |                                                                  | 390-470  | 30-33 | 250-330  | 27-30 | 250-330  |
| 12         | 9.5 |                                                                  |          |       | 390-470  | 33    | 390-470  |
| 14         | 9.5 |                                                                  | 510-680  |       | 510-680  |       | 510-680  |
| 16         | 9.5 |                                                                  | 820-1000 |       | 820-1000 |       |          |
| 18         | 9.5 |                                                                  |          |       |          |       | 820-1000 |

