# Shenzhen City Tak Sun Ming Technology Co., Ltd.

BLOCK C,SANHE INTERNATIONAL SCIENCE AND TECHNOLOGY ZONE DALANG STREET,BAOAN DISTRICT
SHENZHEN,GUANGDONG 518109 CHINA
Mobile: +86 138 2370 7943 +86-18927361658
Tel : +86-755-61204025 E-mail : info@dxmht.com

## Datasheet of Ceramic Disc Capacitor (High voltage)

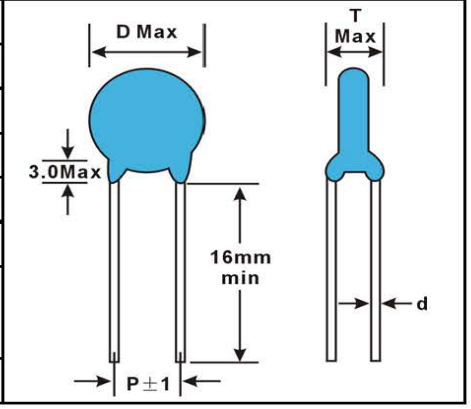
### ● FEATURES AND APPLICATION

Wide range of voltage , High stability of capacitance.Low loss.

Widely used in all sorts of electronic in strument and high voltage by passing or coupling circuit

### ● TECHNICAL PERFORMANCE

| | |
|---|---|
| **Type** | CAP-CER-DIPPED Axial |
| **Capacitance range** | 100pF – 10,000pF |
| **Rated voltage** | 1 KV – 50KVDC |
| **Test voltage** | 2 times of the rated voltage |
| **Capacitance Tolerance** | J(+-5%),K(+-10%),M((+-20%) |
| **Operation Temperature range** | -25℃~85℃ |
| **Dissipation factor((tan δ))** | at 1 KHz, 1±0.2 Vrms. 25℃<br>Y5P, Z5U : tan δ≤2.5%<br>Z5V : tan δ≤5% |
| **Insulation Resistance(I.R.)** | 10,000 MΩ or 200 MΩ whichever is the smaller |




### ● CAPACITANCE RANGE AND DIMENSIONS

| Rated Volt. | T.C / Capacitance(pF) | | | Dimensions (mm) | |
|---|---|---|---|---|---|
| **VDC** | **Y5P(B)** | **Y5U( E)** | **Y5V(F)** | **D Ø max** | **T max** |
| **1KV** | | | 100-1500 | 6 | 4 |
| | 100-1000 | 470-2200 | 3300-4700 | 8 | |
| | 1200-2200 | 2700-3300 | 6800-10000 | 10 | |
| | 2200-3300 | 3900-4700 | | 12 | |
| | 3900-4700 | 5600-6800 | 2000~2200 | 14 | |
| | 5600-6800 | 8200-10000 | | 16 | |
| | | | 47000 | 18 | |
| **2 KV** | 100-680 | 330-1000 | 1500-2200 | 8 | 5 |
| | 820-1500 | 1500-2200 | 3300-4700 | 10 | |
| | 2200-2700 | 2700-3300 | 5600-8200 | 12 | |
| | 3300-3900 | 3900-4700 | 10000 | 14 | |
| | 4700 | 5600-8200 | | 16 | |
| | | | 22000 | 18 | |
| **3 KV** | 100-470 | 470-1000 | 2200-3300 | 8 | 5 |
| | 560-820 | 1200-2200 | 4700-5600 | 10 | |
| | 1000-1500 | 2700-3300 | 8200 | 12 | |
| | 1800-2200 | 3900-4700 | 10000 | 16 | |
| | 2700-3300 | | | 18 | |
| **4KV** | 470 | 1000 | | 8 | 6 |
| | 560 | 1500 | 2700 | 8 | |
| | 1000 | 2700 | | 10 | |
| | 1500 | | | 14 | |
| | 2200 | | | 16 | |
| **6.3KV** | 3900 | 1000 | | 8 | 7 |
| | | 2000 | | 10 | |
| | | 3000 | | 12 | |
| | | 4000 | | 14 | |

| | | | | | |
|---|---|---|---|---|---|
| **10KV** | 200 | | | 10 | 7.5 |
| | 390 | 1000 | 1500 | 12 | |
| | 680 | 1500 | 2200 | 14 | |
| | 1000 | 2200 | | 18 | |
| **15KV** | 220 | | | 8 | 8 |
| | 470 | 1200 | | 12 | |
| | 680 | | | 14 | |
| | 1000 | 2700 | | 18 | |
| **20KV** | 200~270 | | | 10 | 9 |
| | 330~510 | | | 14 | |
| | 1000 | | | 18 | |
| | | 4700 | 10000 | 24 | |
| **30KV** | 1000 | 4700 | 10000 | 30 | 12 |
| **40KV** | 1000 | | | 30 | 20 |
| **50KV** | 1000 | | | 36 | 22 |

**Note: Specification are subject to change without notice**

Mobile: 86-13823707943
Email: info@dxmht.com
Shenzhen DXM Technology Co., Ltd.
Website: http://www.dxmht.com
MSN:dxm_sales@hotmail.com
Skype:dxm_sales