

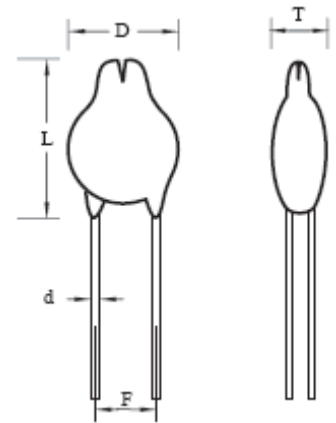
# TS21

## FEATURES

Spark gap capacitors are designed to provide a reliable discharge path for stray, transient overvoltages and static voltage build-up. The construction of the spark gap enable the circuit designer to reduce cost by specifying lower voltage components with the assurance that over-voltage conditions will be prevented.



| S P E C I F I C A T I O N S   |                                      |          |             |              |                      |          |
|-------------------------------|--------------------------------------|----------|-------------|--------------|----------------------|----------|
| Capacitance<br>(C)            | Range                                | Range    |             |              |                      |          |
|                               | Tolerance                            | Code     | K           | M            | U                    | V        |
|                               |                                      |          | ±10%        | ±20%         | Guaranted Max. Value |          |
| Dissipation<br>Factor (DF)    | 2.5% Max.                            |          |             |              |                      |          |
| Insulation<br>Resistance (IR) | 7500MΩ Min. or R x C >75Ω·F          |          |             |              |                      |          |
| Voltage                       | Working                              | 1KV DC   | 1.5KV<br>DC | 2KV DC       | 2.5KV DC             | 3KV DC   |
|                               | Arc. Voltage                         | 1~2KV DC | 2~3KV<br>DC | 2.5~3.5KV DC | 3~4KV DC             | 4~6KV DC |
| Operating                     | +10~+85℃                             | Z5U      |             |              |                      |          |
| Temp. Range                   | -30~+85℃                             | Y5P      |             |              |                      |          |
| Encapsulation                 | Phenolic coated with wax impregnated |          |             |              |                      |          |



Dimensions and Tolerance:  
D = 3.0mm max  
d = 0.65mm ± 0.05mm  
F = 7.5 or 10 ± 1.0mm  
L = 25mm min. or 5 ± 1mm for P/N-A

## DIMENSION (mm)

| Capacitance Mfd (pF) | Voltage | Lead Spacing (LS) | Dia. (D) | Length (L) | Thickness (T) |
|----------------------|---------|-------------------|----------|------------|---------------|
| 0.75                 | 1000V   | 6.35              | 9.0      | 13         | 6.35          |
| 0.75                 | 1500V   | 6.35              | 9.0      | 13         | 6.35          |
| 0.75                 | 2000V   | 6.35              | 9.0      | 13         | 6.35          |
| 0.001                | 2000V   | 9.50              | 12.0     | 26         | 6.35          |
| 0.004                | 3000V   | 9.50              | 24.0     | 27         | 6.35          |
| 0.01                 | 1500V   | 9.50              | 20.0     | 26         | 6.35          |
| 0.01                 | 2000V   | 9.50              | 20.0     | 26         | 6.35          |
| 0.01                 | 2500V   | 9.50              | 20.0     | 26         | 6.35          |
| 0.02                 | 1000V   | 9.50              | 24.0     | 27         | 6.35          |

Note: Specification are subject to change without notice. For more detail and update, please visit our website.