# SUPERTECH ELECTRONIC CO., LTD.

# DISC CERAMIC CAPACITOR

**Part No. : RDDS470K1H5L1**

MECHANICAL :

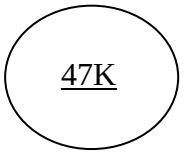
Thickness (T) : 3.5 mm Max.

Lead Diameter : 0.52 mm ± 0.05 mm

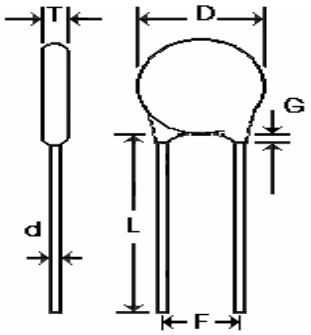
Soldering Test : 260 ℃ ± 5 ℃

Pulling Test : 2 KG

Marking :




**CP Wire**




ELECTRICAL :

Capacitance : 47PF

Capacitance Tolerance : + - 10 %

Q or ~~DF~~ : CAP.≧30PF;Q≧1000

: CAP.<30PF;Q≧400+20C

Insulation Resistance : ≧ 10000MΩ

Working Voltage : 50 V DC

Dielectric Withstanding : 150 V DC for 1～5 sec

| | |
|---|---|
| External Dimensions ( D ) | 5mm ± 1mm |
| Lead Spacing ( F ) | 5mm ± 0.8mm |
| Thickness ( T ) | 3.5mm Max. |
| Lead Length ( L ) | 25mm ± 3mm |
| Lead Diameter ( d ) | 0.52mm ± 0.05mm |
| Lead Coating ( G ) | 1.5mm Max. |

Temperature Characteristic :

According to EIA SL The Capacitance change of +350 ～ -1000 PPM/℃

between the temperature range of - 25 ℃ ~ + 85 ℃

TESTING INSTRUMENTS :

1 . TEMPERATURE COMPENSATING TYPE : HP4278A

2 . HIGH DIELECTRIC TYPE : HP4265A

TESTING CONDITIONS :

Testing Frequency : 1MHz

Testing Voltage : 1.0Vrms

＊Remarks: Withstand voltage below 100VDc, all need to comply with the manufacturing specifications of Coating's non-leakable silver electrode