## AC POWER CAPACITOR

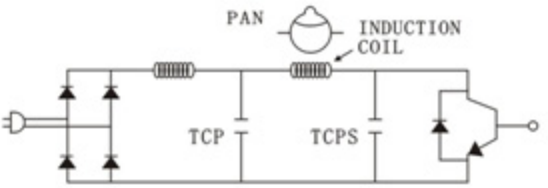
# TYPE : TCPS

### INTRODUCTION:

THE TYPE-TCPS CAPACITORS are constructed with metalized polypropylene film dielectric, terminals solder, encapsulated in industrial plastic case with epoxy resin sealed. The type is ideal for use in induction cooker power amplification resonance circuits.

### FEATURES :

Non-inductive constuction.
Self-healing property.
Extremely low DF value.
Available for 20KHz to 100KHz switching frequency range.
High current-up to 20Ams.
Special high current termination.

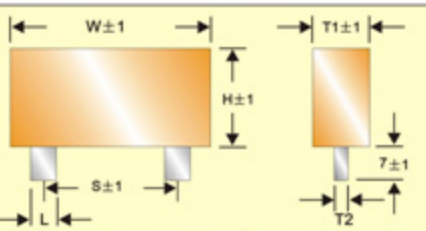



### SPECIFICATIONS:

| | |
|---|---|
| OPERATING TEMPERATURE | -40 ~ +85℃ |
| RATED VOLTAGE | 1000V, 1500V, 2000V DC |
| CAPACITANCE RANGE | 0.1 ~ 0.4 μF |
| DIELECTRIC STRENGTH | 250% of rated voltage for 5 sec. |
| CAPACITANCE TOLERANCE | ±5%(J) ±10%(K) |
| INSULATION RESISTANCE | 20,000MΩ<br>Above measured at 1000VDC, with a charging time on minute |
| DISSIPATION FACTOR | 0.1% MAX. At 1KHZ |
| RATED CURRENT | THE maxinum rated ripple current from 20KHz to 100KHz at 25℃ |

| VDC / Cade / MFD | 1000V DC CASE | 1500V DC CASE | 2000V DC CASE |
|---|---|---|---|
| 0.1 | | A | A |
| 0.15 | | A | B |
| 0.2 | | B | |
| 0.27 | A | B | |
| 0.33 | B | | |
| 0.4 | B | | |

(Unit : mm)




| Cade | W | H | T1 | S | L | T2 |
|---|---|---|---|---|---|---|
| A | 37.0 | 26.0 | 15.0 | 28.0 | 5.0 | 0.6 |
| B | 37.0 | 29.0 | 19.0 | 28.0 | 5.0 | 0.6 |