

ELECTRIC DOUBLE LAYER CAPACITOR-GOLD CAPACITOR

TS12S-R

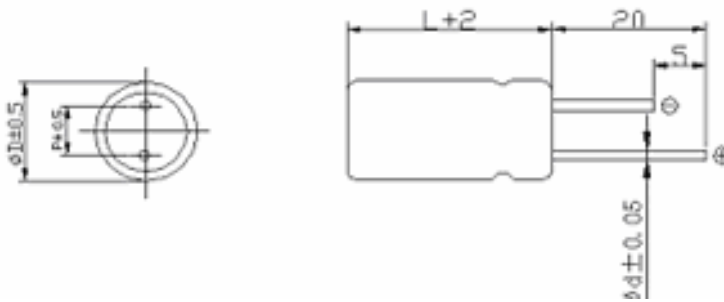
FEATURES

Radial & Snap-in type
large capacity, VENT case.



SPECIFICATIONS

Operating temperature	-40~+70°C
Rated voltage	2.5VDC
Surge Voltage	3.0VDC
Capacitance tolerance	-20%~+80%
Characteristics at Temperature	+70°C $\Delta C/C$ $\leq 30\%$, $IL \leq 300\%$ time of specified value at 25°C -40°C $\Delta C/C$ $\leq 40\%$, $ESR \leq 300\%$ time of specified value at 25°C
Characteristics at Low Temperature	+70°C ± 2 加 5.5V 1000h 后, $\Delta C/C$ $\leq 30\%$ $IL \leq 200\%$ specified value, $ESR \leq 400\%$ specified value
Moisture Resistance	+50°C ± 2 , 90~95%RH, 500 hours at 2.5V, same as Characteristics at Temperature
Life	100,000 time life at 2.5V & -40~+70°C



Rated Capacitance	Rated Current	Max. Current	ESR	Max. Internal Resistance	Size	P (mm)	Φd (mm)
0.7F	85	364	600	750 (0.1A)	$\Phi 8 \times 15$	4+0.5	0.6
1.0F	170	600	245	400 (0.1A)	$\Phi 8 \times 15$	4+0.5	0.6
2.0F	400	1480	130	180 (0.1A)	$\Phi 10 \times 18$	5+0.5	0.6
3.3F	720	2200	80	120 (0.1A)	$\Phi 10 \times 18$	5+0.5	0.6
4.7F	980	3000	50	100 (0.1A)	$\Phi 13 \times 21$	5+0.5	0.6
8.0F	1585	4150	45	90 (0.1A)	$\Phi 13 \times 21$	5+0.5	0.6
10F	1750	4500	40	80 (3A)	$\Phi 13 \times 33.5$	5+0.5	0.6
20F	3530	11200	18	35 (3A)	$\Phi 16 \times 33.5$	8+0.5	0.8
30F	5300	16800	14	31 (3A)	$\Phi 16 \times 33.5$	8+0.5	0.8
50F	8800	28000	14	21 (3A)	$\Phi 18 \times 33.5$	8+0.5	0.8
90F	15200	47600	14	21 (3A)	$\Phi 22 \times 46.5$	9+0.5	1.6
120F	21000	67000	14	21 (3A)	$\Phi 25 \times 46.5$	10+0.5	1.6

90F & 120F is Snap-In type, other is Radial type.