

# TS2601

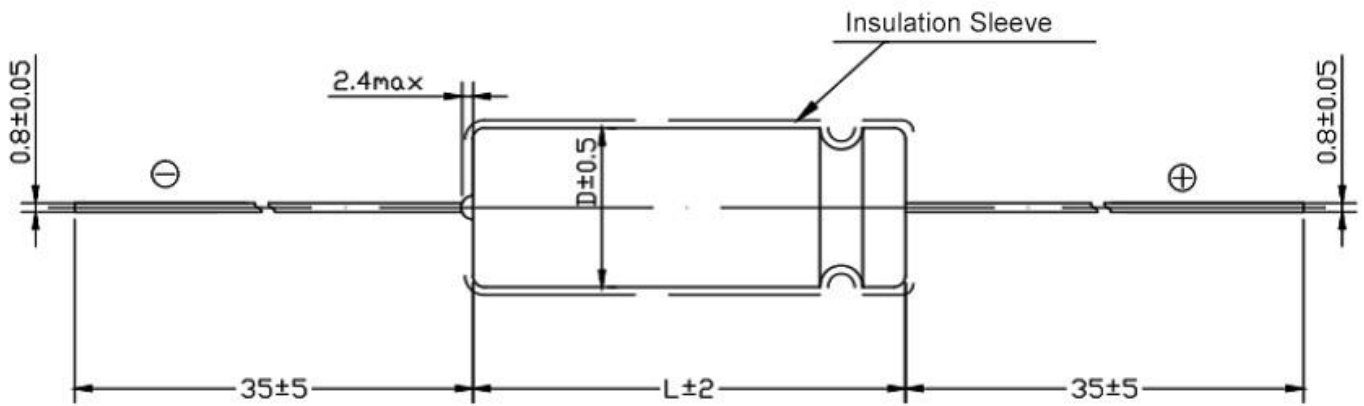
## FEATURES

- Silver case encapsulation, Epoxy end-filled, Tubular, Axial-lead, with insulation sleeve, Heteropolarity.
- Stable in Electrical Characteristics, High reliability, Long life-span, Low DF & DCL, Small in size for installation
- Applying in Telecommunications, Instruments and Meters, such Electrical Equipments with DC & Impulse Circuit.



## SPECIFICATIONS

Technical Data	All technical data relate to an ambient temperature of +25°C
Capacitance Tolerance	±20%, ±10%
Temperature Range	-55 °C to +125 °C
DC Leakage	$I_0 \leq 0.001C_R U_R$ (μA) or 1μA (which is greater)



DIMENSIONS		
Case Code	Uninsulated	
	D±0.5 (mm)	L±2 (mm)
A	5	10
B	5	14
C	6	16
D	8	16
E	8	22
F	10	22
G	10	25
H	10	3

**P.S:** With insulated sleeve, D will be 0.4mm more at most, and L will be 1.6mm more at most.

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STANDARD RATINGS											
Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max. DF @+25 °C ~ +125 °C 100Hz	Max. ESR @-55 °C 100Hz	Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max. DF @+25 °C ~ +125 °C 100Hz	Max. ESR @-55 °C 100Hz
V	V		μF	%	μΩ	V	V		μF	%	μΩ
6.3	4	A	1.0	6	1800	16 (15)	10	A	6.8	8	350
		A	1.5	6	1400			A	10	8	260
		A	2.2	6	1100			A	15	10	180
		A	3.3	6	700			A	22	10	150
		A	4.7	6	500			A	33	12	110
		A	6.8	8	350			A	47	2	90
		A	10	8	260			A	68	18	80
		A	15	10	200			A	100	20	70
		A	22	10	180			B	150	30	60
		A	33	12	125			B	220	40	55
		A	47	15	125			C	330	40	45
		A	68	18	125			D	470	40	40
		A	100	20	100			E	680	45	35
		A	150	30	80			F	1000	50	30
		B	220	40	70			F	1200	50	25
		B	330	40	60			G	1500	60	20
		C	470	50	50			A	1.0	6	1800
		C	680	50	35			A	1.5	6	1400
		D	1000	60	25			A	2.2	6	1100
		D	1200	60	25			A	3.3	6	700
E	1500	60	20	A	4.7	6	500				
E	2200	70	200	A	6.8	8	300				
F	3300	80	15	A	10	8	260				
10	6.3	A	1.0	6	1800	25	16	A	15	10	175
		A	1.5	6	1400			A	22	10	150
		A	2.2	6	1100			A	33	12	110
		A	3.3	6	700			A	47	12	80
		A	4.7	6	500			A	68	20	75
		A	6.8	8	350			B	100	20	70
		A	10	8	250			C	150	25	60
		A	15	10	200			C	220	30	55
		A	22	10	175			D	330	30	45
		A	33	12	125			E	470	40	40
		A	47	15	100			F	680	40	35
		A	68	18	80			G	1000	40	30
		A	100	20	60			G	1200	50	25
		A	150	30	55			H	1500	60	20
		B	220	40	45			A	1.0	6	1800
		B	330	45	40			A	1.5	6	1400
		C	470	50	35			A	2.2	6	1100
		D	680	50	30			A	3.3	6	700
		D	1000	50	25			A	4.7	6	450
		E	1200	60	25			A	6.8	8	350
F	1500	60	20	A	10	8	260				
F	2200	70	20	A	15	10	175				
16 (15)	10	A	1.0	6	1800	40	25	A	22	12	140
		A	1.5	6	1400			A	33	12	110
		A	2.2	6	1100			B	47	15	80
		A	3.3	6	700			B	68	15	75
		A	4.7	6	500			C	100	20	65

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STANDARD RATINGS

Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max. DF @+25 °C ~ +125 °C 100Hz	Max. ESR @-55 °C 100Hz	Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max. DF @+25 °C ~ +125 °C 100Hz	Max. ESR @-55 °C 100Hz		
V	V		μF	%	μΩ	V	V		μF	%	μΩ		
40	25	C	150	20	50	75 (70)	50	A	2.2	6	1100		
		D	220	25	45			A	3.3	6	700		
		E	330	25	35			A	4.7	6	500		
		F	470	30	35			B	6.8	8	350		
		G	680	40	30			B	10	8	260		
		H	1000	45	30			C	15	10	175		
50	30	H	1200	50	25			C	22	12	150		
		A	1.0	6	1800			D	33	12	110		
		A	1.5	6	1400			D	47	15	80		
		A	2.2	6	1100			E	68	15	70		
		A	3.3	6	700			E	100	20	60		
		A	4.7	6	500			F	150	20	50		
		A	6.8	8	350			G	220	25	45		
		A	10	8	260			H	330	25	35		
		A	15	10	175			100 (90)	63	A	1.0	6	1800
		A	22	12	150					A	1.5	6	1400
		B	33	12	110					A	2.2	6	1100
		C	47	15	80					A	3.3	6	700
		C	68	15	75	A	4.7			6	500		
		D	100	20	65	A	6.8			8	350		
		D	150	20	50	A	10			8	260		
		E	220	25	45	A	15			10	175		
		F	330	25	45	B	15			10	175		
		F	470	35	35	C	22			10	150		
G	680	40	30	C	33	15	100						
H	1000	50	30	D	47	15	70						
63	40	A	1.0	6	1800	D	68			15	65		
		A	1.5	6	1400	E	100			20	60		
		A	2.2	6	1100	F	150			20	50		
		A	3.3	6	700	G	220			20	40		
		A	4.7	6	500	125	75			A	0.5	6	4500
		A	6.8	8	350					A	0.7	6	3000
		A	10	8	260			A	1.0	6	1800		
		A	15	10	175			A	1.5	6	1400		
		B	22	12	140			A	2.2	6	1100		
		B	33	12	100			A	3.3	6	700		
		C	47	15	80			B	4.7	6	500		
		C	68	15	65			B	6.8	8	350		
		D	100	20	60			C	10	10	260		
		E	150	20	50			C	15	10	175		
		E	220	25	45			D	22	15	150		
		F	330	25	35			D	33	15	120		
		G	470	40	30			E	47	15	90		
		75 (70)	50	A	1.0			6	1800	F	68	15	70
A	1.5			6	1400			G	100	15	50		
									H	150	20	45	

- Note:
- Please do not use multimeter through the measuring procedures.
  - Capacitance and DF measured at 100Hz,  $U_{-}=2.20^{0}_{-1.0}V$ ,  $U_{+}=1.0^{0}_{-0.5}V$ , Frequency=100Hz. Test only applied in series equivalent circuit.
  - Voltage derating is applied at +125°C. (The DCL parameter should be read after 5 minutes when it connected to the circuit).
  - Special size and demand could consult with us.

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