

CHIP TYPE SERIES

TS13C2

FEATURES

- 105°C 1,000hours
- Solvent proof (within 2 minutes)

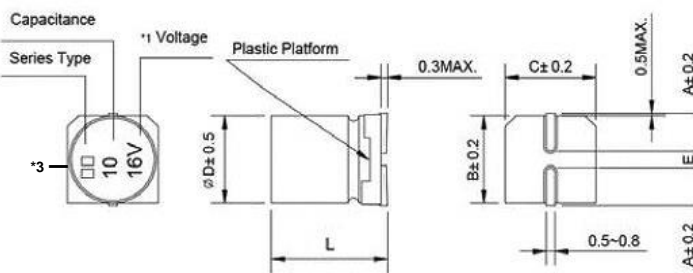


Bi-Polarized Series

◆ Specifications

I T E M S		C O N D I T I O N		S P E C I F I C A T I O N S					
Rated voltage (V)	-	-	-	6.3	10	16	25	35	50
Surge voltage (V)	Room temperature	-	-	8.0	13	20	32	44	63
Category temperature range (°C)	-	-	-	-40 to +105					
Capacitance tolerance (%)	120Hz/20°C	-	-	M : ±20					
Dissipation Factor (Tan δ)	tanδ (max) 120Hz/20°C	-	-	0.32	0.26	0.24	0.22	0.20	0.20
Leakage current (LC)	µA/after 2minutes (max)	-	-	0.03CV + 6µA					
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C	Z/Z20°C	4	3	2	2	2	2
		-40°C	Z/Z20°C	10	8	6	4	3	3
Endurance	250hoursx4(alternately) 105 °C ,rated voltage applied(With the rated ripple current)	ΔC/C		Within ±20% of the initial value					
		tanδ		Less than 200% of the specified value					
		LC		Less than the specified value					

◆ DRAWING(Unit:mm)



◆ DIMENSIONS(Unit:mm)

ØDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7
A	2.0	2.2	2.6	2.6
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E±0.2	1.0	1.3	2.2	2.2
L±0.6	5.4	5.4	5.4	7.7

*1 Voltage mark for 6.3V is [6V] or [6.3V]

*3 Markings: Su2, S2, CN

TS13C2

◆ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV/V Cap/μF		6.3		10		16		25		35		50	
		0J		1A		1C		1E		1V		1H	
1	010	--	--	--	--	--	--	--	--	--	--	4×5.4	10
2.2	2R2	--	--	--	--	--	--	--	--	4×5.4	8.4	5×5.4	15
3.3	3R3	--	--	--	--	--	--	4×5.4	10	5×5.4	16	5×5.4	18
4.7	4R7	--	--	--	--	4×5.4	12	5×5.4	16	5×5.4	18	6.3×5.4	20
10	100	--	--	4×5.4	17	5×5.4	23	6.3×5.4	28	6.3×5.4	27	6.3×5.4	25
22	220	--	--	5×5.4	28	6.3×5.4	37	6.3×5.4	35	6.3×5.4	30	6.3×7.7	35
33	330	6.3×5.4	37	6.3×5.4	33	6.3×5.4	49	6.3×7.7	50	6.3×7.7	35	--	--
47	470	6.3×5.4	45	6.3×5.4	41	6.3×7.7	55	--	--	--	--	--	--
100	101	6.3×7.7	55	6.3×7.7	60	--	--	--	--	--	--	Case size	Allowable ripple

Case Size ØD×L(mm), ripple current(mA rms) at 85°C 120Hz

◆ Frequency coefficient of allowable ripple current

Frequency:F(Hz)		100≤F<1k	1k≤F<10k	10k≤F<100k	100k≤F
Capacitance:C(μF)	C≤4.7	1.00	1.30	1.50	1.80
	4.7<C≤33	1.00	1.20	1.30	1.45
	33<C	1.00	1.10	1.20	1.30

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