

## CHIP TYPE SERIES

# TS13C3

### FEATURES

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

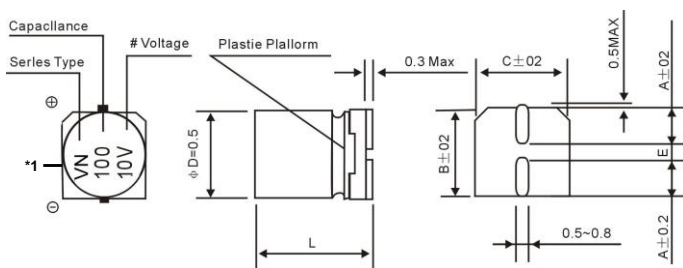


## Bi-Polarized with Wide Temperature Series

### ◆ 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)	-			-55 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 + 6 μA					
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	500hours×4(alternately) 105 °C ,rated voltage applied(With the rated ripple current)	ΔC/C		Within ±30% of the initial value					
		tanδ		Less than 300% of the specified value					
		LC		Less than the specified value					

### ◆ Chip type



	(mm)			
ØDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7
A	1.8	2.1	2.4	2.4
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E	1.0	1.3	2.2	2.2
L±0.6	5.4	5.4	5.4	7.7

\*1 Markings: Su3, S3, VN

\*2 Voltage mark for 6.3V is [6V] or [6.3V]

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◆ Case Size

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	82	6.3×7.7	60	--	--	--	--	--	--	Case size	Allowable ripple

Case size: φ D(mm) Allowable Ripple (mA rms) at 105°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 is subject to change without notice. For more detail and update, please visit our website.