

Type 94SA

Vishay



ENVIRONMENTAL PERFORMANCE			
ITEMS	CHARACTERISTICS		
1. Operating Temperature Range	- 55°C ~ + 105°C		
2. Capacitance Tolerance @ 120Hz	X0 = ± 20%		
3. Tangent of Loss Angle (tan δ) @ 120Hz	≤ Values in Standard Ratings Table		
4. Leakage Current (μA/2 minutes) (or less)*	0.02 CV (0.04 CV for G, H size)		
5. Equivalent Series Resistance (Ω) (100k ~ 300kHz)	≤ Values in Standard Ratings Table		
6. Temperature Characteristics Impedance Ratio at 100kHz	- 55°C	Z/Z _{20°C}	1.0 ~ 1.25
	+ 105°C	Z/Z _{20°C}	0.75 ~ 1.0
7. High Temperature Load + 105°C, 2,000 hours (Ø D ≥ 12.5, 1,000 hours) Rated Voltage Applied	Δ C/C		Within ± 20% of the initial value
	tan δ		≤ 1.5 times the value of Item 3
	Leakage Current		≤ The value of Item 4
8. Moisture Resistance (+ 60°C, 90 ~ 95% RH, 1,000 hours, no voltage)	Δ C/C		Within ± 10% of the initial value
	tan δ		≤ 1.5 times the value of Item 3
	Leakage Current		≤ The value of Item 4
9. Reverse Voltage Guarantee	Temporary: Less than 20% of the rated voltage Continuous: Less than 10% of the rated voltage		

*If any doubt arises, measure the current after applying voltage (voltage treatment) for 30 minutes at +105°C. The rated voltage should be for all WV.

CASE CODE LIST					
CAPACITANCE (μF)	WV**	6.3	10	16	20
	(SV)***	(7.2)	(11.5)	(18.4)	(23)
15.0		—	—	—	C
22.0		—	—	—	C
33.0		—	—	C	D
47.0		C	—	D	E
68.0		—	D	—	E
100.0		—	—	E	F
150.0		E	—	F	—
220.0		—	F	—	—
330.0		F	—	—	—
470.0		—	—	G	—
1000.0		—	—	H	—
2200.0		H	—	—	—

**WV = Rated Voltage.

***(SV) = Surge Voltage (at room temperature).

TEMPERATURE COEFFICIENT FOR RIPPLE CURRENT				
Ambient Temperature	~ + 45°C	+ 85°C	+ 95°C	+ 105°C
Coefficient	1.0	0.7	0.4	0.25

PART MARKING****
<ul style="list-style-type: none"> — Polarity ⊖ — Rated voltage — Capacitance — OS-CON — Lot number — Maximum operating temperature (+ 105°C)

****Sleeve color: Blue. Marking: White.