

NVS Series 表面粘著型 NP105°C 品

- 105°C Non-polarized, 10.5 mm max height
- Reflex soldering is available
- Available for high density mounting



SPECIFICATIONS

No	Item	Performance Characteristics
1	使用溫度範圍 Operating Temperature Range	-40 to +105°C
2	定格電壓範圍 Rated voltage Range	6.3 to 50VDC
3	靜電容量許差 Capacitance Tolerance	±20% at 120Hz, 20°C
4	靜電容量範圍 Capacitance Range	0.1µF to 100µF
5	漏電電流 Leakage Current(+20°C,max.)	$I \leq 0.05 CV$ or $10(\mu A)$ After 2minutes, whichever is greater measured with rated working voltage applied
6	損失角 Dissipation Factor(tan δ)	Working Voltage (VDC) 6.3 10 16 35 50
		D.F.(%)Max. 0.24 0.2 0.17 0.15 0.15
		(+20°C, at 120Hz)
7	溫度特性 Low Temperature Characteristics (120Hz)	Impedance ratio max.
		Rated voltage (VDC) 6.3 10 16 35 50
		Z-25°C /Z+20°C 4 3 2 2 2
		Z-40°C /Z+20°C 8 6 4 3 3
		After 1000 hours, application of rated voltage at 105°C, capacitors meet the characteristics requirements listed as follows.
8	高溫負荷特性 Load Life	Capacitance Change With ±30% of the initial value
		Dissipation Factor Not more than 300% of the specified value
		Leakage Current Not more than the specified value
9	高溫無負荷特性 Shelf Life	Test conditions Duration time :500Hrs Ambient temperature :+105°C Applied voltage:None After test requirements at +20°C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.

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Multiplier for Ripple Current

Frequency

Frequency(Hz)	60(50)	120	500	1K	10K≤
Multiplier	0.8	1.0	1.20	1.30	1.50

Temperature

Temperature°C	105	70	50≤
Multiplier	1.0	1.6	2.0

Case size, Maximum Ripple Current

The size as ref. P84

Case size φ D×L(mm). Maximum Ripple Current(Unit=mA,rms,120Hz at 105°C)

WV (SV)	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1											4×5.5	8.4
2.2									4×5.5	8.4	5×5.5	13
3.3					4×5.5	12	5×5.5	12	5×5.5	16	5×5.5	17
4.7					4×5.5	12	5×5.5	16	5×5.5	18	6.3×5.5	20
10	4×5.5	15	4×5.5	17	5×5.5	23	6.3×5.5	27	6.3×5.5	29	8×6.5	30
22	5×5.5	28	6.3×5.5	33	6.3×5.5	37	6.3×7.7	35	8×10.5	38	8×10.5	42
33	6.3×5.5	37	6.3×5.5	41	6.3×5.5	49	8×6.5	52	8×10.5	56	10×10.5	62
47	6.3×5.5	45	6.3×7.7	47	8×6.5	53	8×10.5	60	8×10.5	68	10×10.5	72
100	6.3×7.7	72	8×10.5	75	8×10.5	82	10×10.5	90	10×10.5	93		