

NP 无极性标准品 (CD71型)

- 极性可反转或变换, 85°C标准尺寸.

The polarity can be reversed, 85°C standard size.

- 适用于信号耦合等极性需反转变换的电路.

Used in circuits polarity is reversed, such as signal coupling, etc.



Specifications

项目 Item	特性 Characteristics								
工作温度范围 Operating temperature range	-40°C~+85°C								
额定电压范围 Rated voltage range	6.3V~100V DC								
静电容量范围 Nominal capacitance range	0.47μF~6800μF								
静电容量误差 Capacitance tolerance	±20% (120Hz:20°C)								
漏电流 (20°C) leakage current(20°C)	I≤0.03CV or 5μA(whichever is greater) after 2 minute								
	I: Leakage current C: Normal capacitance V: Rated voltage								
损耗角正切 Dissipation factor (120Hz:20°C)	Rated voltage(V)	6.3	10	16	25	35	50	63	100
	tgδ(MAX)	0.24	0.24	0.22	0.20	0.16	0.14	0.12	0.10
低温特性 Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	6.3	10	16	25	35	50	63	100
	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2
	Z-40°C/Z+20°C	10	8	6	5	4	4	3	3
高温负荷特性 Load Life	After applying rated voltage for 1000 hours at 85°C then resumed 16 hours:								
	Capacitance change	Within ±20% of the initial measured value							
	tgδ	≤200% of the initial specified value							
	Leakage current	≤initial specified value							
高温贮存特性 Shelf Life	After storage for 1000 hours at 85°C then resumed 16 hours:								
	Capacitance change	Within ±20% of the initial measured value							
	tgδ	≤200% of the initial specified value							
	Leakage current	≤initial specified value							

Diagram of Dimensions(mm)

<p>SLEEVE AL.CASE Safety vent (ø8 up) * ø6.3 is available by request</p>	φ D	5	6.3	8	10	13	16	18
	F±0.5	2.0	2.5	3.5	1.5	2.0	2.5	3.5
	φ d±0.05	0.5	0.5	0.5	0.6	0.6	0.8	0.8
	α	1.0	1.0	1.0	1.5	1.5	2.0	2.0

Multiplier for Ripple Current vs. Frequency:

CAP(μF)\Hz	50(60)	120	1K	≥10K
CAP<100	0.75	1.00	1.57	2.00
100≤CAP<470	0.80	1.00	1.34	1.50
CAP≥470	0.85	1.00	1.10	1.15

Multiplier for Ripple Current vs. Temperature:

Temperature°C	~55	60	70	85
Factor	1.65	1.50	1.30	1.00

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■ Standard Ratings

WV(Coad)		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)	
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.
10	100					5×11	42	5×11	42
22	220			5×11	57	5×11	57	6.3×11	65
33	330	5×11	64	5×11	64	5×11	70	6.3×11	80
47	470	5×11	76	5×11	76	6.3×11	95	6.3×11	80
100	101	6.3×11	125	6.3×11	125	8×12	160	8×12	160
220	221	8×12	215	8×12	215	10×12	275	10×17	305
330	331	8×12	265	10×17	345	10×17	375	13×21	450
470	471	10×12	370	10×17	410	10×20	485	13×21	540
1000	102	10×20	650	13×21	720	13×25	855	16×26	950
2200	222	13×25	1160	16×25	1280	16×25	1510	18×35	1620
3300	332	16×25	1570	16×32	1690	18×35	1980		
4700	472	16×32	2020	18×35	2160				
6800	682	18×35	2600						

WV(Coad)		35V(1V)		50V(1H)		63V(1J)		100V(2A)	
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.
0.47	R47			5×11	11	5×11	11	5×11	14
1	010			5×11	17	5×11	17	5×11	21
2.2	2R2			5×11	25	5×11	25	6.3×11	33
3.3	3R3			5×11	27	5×11	28	6.3×11	39
4.7	4R7	5×11	34	5×11	34	6.3×11	34	8×12	48
10	10R	5×11	45	6.3×11	52	6.3×11	57	8×12	71
22	220	6.3×11	73	8×12	89	8×12	95	10×17	135
33	330	8×12	100	8×12	105	10×12	135	13×21	220
47	470	8×12	125	10×12	150	10×17	180	13×21	240
100	101	10×17	230	10×20	265	13×21	320	16×26	425
220	221	13×21	410	13×25	480	16×26	575	18×35	720
330	331	13×21	505	16×26	650	16×32	710		
470	471	13×25	655	16×32	835	18×35	965		
1000	102	16×32	1140						
2200	222								
3300	332								
4700	472								
6800	682								

Permit ripple current : (mArms, 85°C, 120HZ)

Case size: φD×L(mm)