

NXH series

105°C 10000 時間
Load Life : 105°C 10000 hours



◆規格表／SPECIFICATIONS

項目 Item	特性 Characteristics											
カテゴリ温度範囲 Category Temperature Range	-25~+105°C											
定格電圧範囲 Rated Voltage Range	400~500Vdc											
静電容量許容差 Capacitance Tolerance	±20% (20°C, 120Hz)											
漏れ電流 Leakage Current (MAX)	I=3√CV (定格電圧印加5分後) I=3√CV (After 5 minutes application of rated voltage) I=漏れ電流 (μA) C=静電容量 (μF) V=定格電圧 (Vdc) Leakage Current Capacitance Rated Voltage											
損失角の正接 (tan δ) Dissipation Factor (MAX)	<table><tr><td>定格電圧 (Vdc) Rated Voltage</td><td>400~450</td><td>475, 500</td></tr><tr><td>tan δ</td><td>0.20</td><td>0.25</td></tr></table> (20°C, 120Hz)			定格電圧 (Vdc) Rated Voltage	400~450	475, 500	tan δ	0.20	0.25			
定格電圧 (Vdc) Rated Voltage	400~450	475, 500										
tan δ	0.20	0.25										
耐久性 Endurance	105°C中で10000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for 10000 hours at 105°C, the capacitors shall meet the following requirements. <table><tr><td>静電容量変化率 Capacitance Change</td><td colspan="2">初期値の ±20% 以内 Within ±20% of the initial value.</td></tr><tr><td>損失角の正接 Dissipation Factor</td><td colspan="2">規格値の 200% 以下 Not more than 200% of the specified value.</td></tr><tr><td>漏れ電流 Leakage Current</td><td colspan="2">規格値以下 Not more than the specified value.</td></tr></table>			静電容量変化率 Capacitance Change	初期値の ±20% 以内 Within ±20% of the initial value.		損失角の正接 Dissipation Factor	規格値の 200% 以下 Not more than 200% of the specified value.		漏れ電流 Leakage Current	規格値以下 Not more than the specified value.	
静電容量変化率 Capacitance Change	初期値の ±20% 以内 Within ±20% of the initial value.											
損失角の正接 Dissipation Factor	規格値の 200% 以下 Not more than 200% of the specified value.											
漏れ電流 Leakage Current	規格値以下 Not more than the specified value.											
低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio (MAX)	<table><tr><td>定格電圧 (Vdc) Rated Voltage</td><td>400~450</td><td>475, 500</td></tr><tr><td>Z(-25°C)/Z(+20°C)</td><td>8</td><td>10</td></tr></table> (120Hz)			定格電圧 (Vdc) Rated Voltage	400~450	475, 500	Z(-25°C)/Z(+20°C)	8	10			
定格電圧 (Vdc) Rated Voltage	400~450	475, 500										
Z(-25°C)/Z(+20°C)	8	10										

◆呼称方法／PART NUMBER

□□□	NXH	□□□□□	M	□□□	□□	D x L
定格電圧 Rated Voltage	シリーズ名 Series	静電容量 Capacitance	静電容量許容差 Capacitance Tolerance	副記号 Option	端子記号 Terminal Code	ケースサイズ Case Size

◆リップル電流補正係数／

MULTIPLIER FOR RIPPLE CURRENT

周波数 (Hz) Frequency	60 (50)	120 (100)	300	500	1k	10k ≤
係数 Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

◆副記号／OPTION

EFC : PET スリーブ、底板なし
PET Sleeve without plate

◆端子記号／Terminal Code

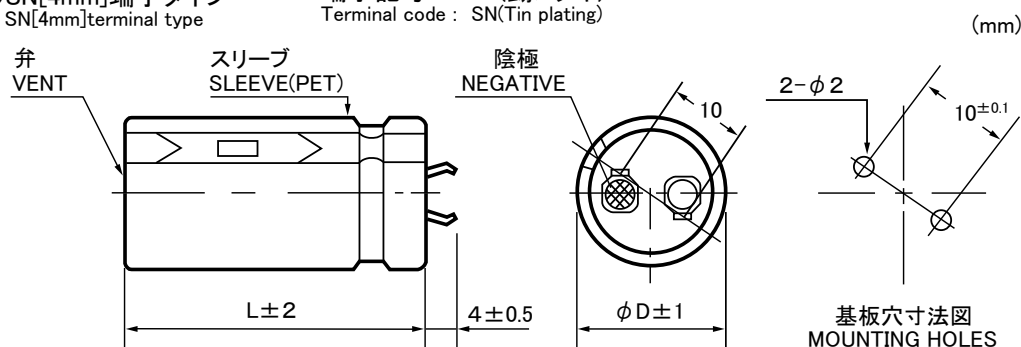
SN : 標準端子 Standard Terminal

その他の形状は端子形状一覧をご確認ください。
For other type, please refer to the list of terminal type.

◆寸法図／DIMENSIONS

●SN[4mm]端子タイプ
SN[4mm]terminal type

端子記号 : SN(錫メッキ)
Terminal code : SN(Tin plating)



◆標準品一覧表／STANDARD SIZE

Cap. (μ F)	400Vdc								420Vdc							
	ϕ 22		ϕ 25		ϕ 30		ϕ 35		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
150	22×35	1.06							22×35	1.10						
180	22×40	1.21	25×30	1.13					22×40	1.24	25×35	1.23	30×25	1.14		
220	22×45	1.37	25×35	1.30					22×50	1.46	25×40	1.41	30×30	1.33	35×25	1.26
270	22×50	1.52	25×40	1.47	30×30	1.39	35×25	1.30	22×55	1.62	25×45	1.59	30×35	1.53	35×30	1.48
330	22×60	1.77	25×50	1.75	30×35	1.59	35×30	1.53			25×50	1.76	30×40	1.73	35×30	1.54
390			25×55	1.93	30×40	1.79	35×35	1.74			25×60	2.04	30×45	1.92	35×35	1.76
470					30×45	1.98	35×35	1.78					30×50	2.12	35×40	1.97
560					30×55	2.31	35×45	2.17					30×60	2.45	35×45	2.17
680							35×50	2.38							35×55	2.54
820							35×60	2.75								

Cap. (μ F)	450Vdc								475Vdc							
	ϕ 22		ϕ 25		ϕ 30		ϕ 35		ϕ 22		ϕ 25		ϕ 30		ϕ 35	
120	22×35	1.00							22×40	1.00	25×30	0.96				
150	22×40	1.16	25×30	1.08	30×25	1.08			22×45	1.15	25×35	1.11				
180	22×45	1.30	25×35	1.24	30×30	1.25			22×50	1.28	25×40	1.25	30×30	1.19	35×25	1.15
220	22×50	1.44	25×40	1.40	30×30	1.33	35×25	1.26	22×60	1.49	25×50	1.47	30×35	1.37	35×30	1.34
270	22×60	1.68	25×50	1.67	30×35	1.53	35×30	1.47			25×55	1.64	30×40	1.55	35×35	1.53
330			25×55	1.83	30×40	1.72	35×35	1.69					30×50	1.83	35×40	1.74
390					30×45	1.90	35×40	1.89					30×55	2.01	35×45	1.93
470					30×55	2.23	35×45	2.10							35×50	2.13
560							35×50	2.30							35×60	2.44
680							35×60	2.65								

Cap. (μ F)	500Vdc							
	ϕ 22		ϕ 25		ϕ 30		ϕ 35	
100	22×40	0.94	25×30	0.90				
120	22×45	1.06	25×35	1.02	30×25	0.95		
150	22×50	1.20	25×40	1.18	30×30	1.13	35×25	1.09
180	22×60	1.40	25×45	1.30	30×35	1.28	35×30	1.26
220			25×55	1.54	30×40	1.46	35×35	1.45
270					30×45	1.62	35×40	1.64
330					30×55	1.91	35×45	1.84
390							35×50	2.03
470							35×55	2.20

ケースサイズ Case Size ϕ D × L(mm) $\longrightarrow$
リップル電流 Ripple Current (A.r.m.s./120Hz, 105°C) $\longrightarrow$

Mouser Electronics

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450NXH150MEFCSN25X30	450NXH180MEFCSN22X45	450NXH330MEFCSN35X35	400NXH150MEFCSN22X35
400NXH560MEFCSN30X55	475NXH270MEFCSN35X35	500NXH220MEFCSN25X55	500NXH120MEFCSN22X45
400NXH390MEFCSN25X55	475NXH150MEFCSN22X45	475NXH220MEFCSN25X50	500NXH150MEFCSN35X25
400NXH180MEFCSN25X30	400NXH220MEFCSN22X45	400NXH680MEFCSN35X50	420NXH560MEFCSN30X60
475NXH270MEFCSN25X55	500NXH180MEFCSN30X35	500NXH180MEFCSN35X30	400NXH390MEFCSN30X40
420NXH180MEFCSN25X35	420NXH270MEFCSN25X45	450NXH180MEFCSN30X30	450NXH220MEFCSN25X40
450NXH330MEFCSN25X55	475NXH220MEFCSN22X60	475NXH390MEFCSN30X55	475NXH470MEFCSN35X50
450NXH120MEFCSN22X35	450NXH220MEFCSN22X50	450NXH270MEFCSN35X30	500NXH100MEFCSN25X30
500NXH220MEFCSN35X35	400NXH560MEFCSN35X45	420NXH220MEFCSN25X40	420NXH680MEFCSN35X55
450NXH270MEFCSN25X50	420NXH180MEFCSN30X25	420NXH220MEFCSN30X30	420NXH560MEFCSN35X45
450NXH220MEFCSN35X25	450NXH270MEFCSN22X60	475NXH270MEFCSN30X40	400NXH330MEFCSN35X30
400NXH470MEFCSN30X45	400NXH820MEFCSN35X60	420NXH150MEFCSN22X35	420NXH220MEFCSN35X25
450NXH270MEFCSN30X35	475NXH220MEFCSN30X35	500NXH100MEFCSN22X40	420NXH330MEFCSN25X50
475NXH150MEFCSN25X35	475NXH180MEFCSN25X40	500NXH120MEFCSN25X35	500NXH150MEFCSN22X50
500NXH390MEFCSN35X50	400NXH270MEFCSN35X25	420NXH270MEFCSN35X30	420NXH390MEFCSN25X60
450NXH390MEFCSN35X40	450NXH470MEFCSN35X45	475NXH180MEFCSN22X50	500NXH120MEFCSN30X25
500NXH330MEFCSN35X45	400NXH390MEFCSN35X35	450NXH330MEFCSN30X40	475NXH180MEFCSN35X25
475NXH390MEFCSN35X45	500NXH180MEFCSN25X45	400NXH330MEFCSN25X50	420NXH330MEFCSN30X40
475NXH180MEFCSN30X30	500NXH150MEFCSN25X40	500NXH470MEFCSN35X55	400NXH330MEFCSN30X35
420NXH330MEFCSN35X30	450NXH150MEFCSN22X40	450NXH150MEFCSN30X25	450NXH390MEFCSN30X45
400NXH270MEFCSN22X50	450NXH560MEFCSN35X50	475NXH120MEFCSN25X30	500NXH150MEFCSN30X30
400NXH330MEFCSN22X60	450NXH470MEFCSN30X55	475NXH560MEFCSN35X60	420NXH180MEFCSN22X40
420NXH270MEFCSN22X55	420NXH470MEFCSN35X40	450NXH680MEFCSN35X60	475NXH220MEFCSN35X30
400NXH270MEFCSN30X30	420NXH390MEFCSN30X45	420NXH470MEFCSN30X50	500NXH330MEFCSN30X55
400NXH270MEFCSN25X40	420NXH270MEFCSN30X35	420NXH390MEFCSN35X35	475NXH330MEFCSN35X40