

# Panasonic セラミックコンデンサ (アキシャルリード形) Axial Lead Ceramic Capacitors

## 円筒形セラミックコンデンサ アキシャルリード形 Axial Lead Ceramic Capacitors

Series: **ECB**

### ■ 特 長

- 同一形状・寸法で広い静電容量をカバー  
16タイプ：1～22000 pF  
25タイプ：1～100000 pF
- 電極構造が単純なため高周波特性が良好で、方向性がなく、とりつけが容易
- 絶縁塗料の塗料色とカラーコード表示により、性能の区別が容易
- 自動挿入機が抵抗器など他の部品と共用可能

### ■ 主な用途

- 一般民生機器などの電子機器回路用

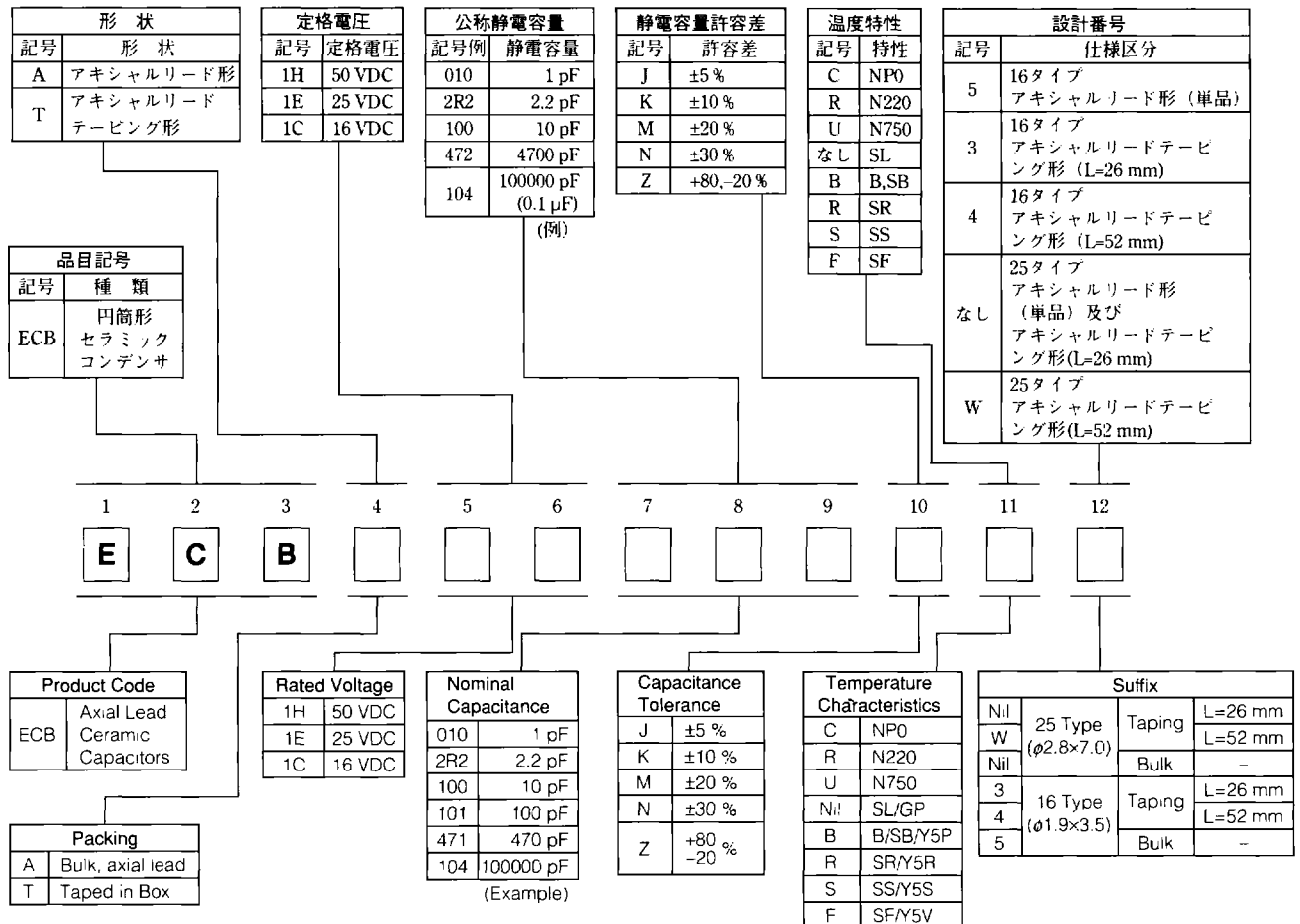
### Features

- Two standard sizes cover wide capacitance range  
16 type: 1 to 22000 pF  
25 type: 1 to 100000 pF
- Excellent frequency stability
- Easy classification or assortment by body color and color code
- Available as other cylindrical type components for automatic insertion machine

### Recommended Applications

- [Class 1]: For temperature compensation of resonant circuit and filters
- [Class 2 and Class 3]: For coupling and by-pass, where low losses and high stability of capacitance are not so important

### ■ 品番構成 Explanation of Part Numbers



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## ■ 規格 (アキシャルリード形)

項目	規格値		
	種類1	種類2	種類3
使用温度範囲	-25~85 °C		
定格電圧	50 VDC, 25 VDC又は16 VDC		
耐電圧 (1~5秒間)	定格電圧 ×3	定格電圧 ×2.5	定格電圧×1.5 (50 V, 25 V) 定格電圧×1.13 (16 V)
静電容量	1 MHz, 1 Vrms, 20 °C で測定して 許容差内	1 kHz, 1 Vrms, 20 °Cで測定 して許容差内	
Q (種類1) 又は 誘電正接 (tan δ) (種類2, 3)	16タイプ C ≥ 33 pF Q ≥ 500 C ≤ 30 pF Q* ≥ 400+20×C 25タイプ C ≥ 33 pF Q ≥ 1000 C ≤ 30 pF Q ≥ 400+20×C	tan δ ≤ 0.025  (ただし特性SFのみ tan δ ≤ 0.075)	
絶縁抵抗	10000 MΩ以上		1000 MΩ以上
静電容量 温度特性	(静電容量 温度係数) (ppm/°C)  NPO: 0±60 N220: -220±60 N750: -750±120 SL/GP	(静電容量温度特性) ● 測定温度範囲: -25~80 °C ● 基準温度: 20 °C	
		特性	静電容量変化率
		B	±10 % max.
		SB	±10 % max.
		SR	±15 % max.
		SS	±22 % max.
		SF	+30, -85 % max.

\* 16タイプ特性: N220 16 pF, 18 pFはQ ≥ 500

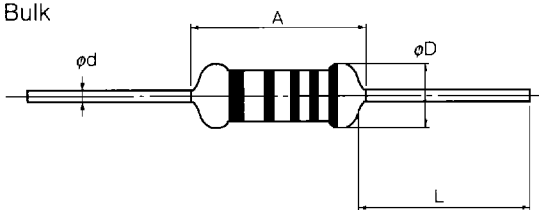
## Specifications (Axial Lead Type)

Characteristics	Specifications		
	Class 1	Class 2	Class 3
Operating Temp. Range	-25 to 85 °C		
Rated Voltage	50 VDC, 25 VDC or 16 VDC		
Withstanding Voltage (For 1 to 5 seconds)	Rated Voltage ×3	Rated Voltage ×2.5	Rated Voltage ×1.5 (50 V, 25 V) Rated Voltage ×1.13 (16 V)
Capacitance	● Within specified tolerance		
	Measured at 1 MHz, 1 Vrms and 20 °C	Measured at 1 kHz, 1 Vrms and 20 °C	
Q or Dissipation Factor (tan δ)	16 type ● Cap. ≥ 33 pF Q ≥ 500 ● Cap. ≤ 30 pF Q* ≥ 400+20×C 25 type ● Cap. ≥ 33 pF Q ≥ 1000 ● Cap. ≤ 30 pF Q ≥ 400+20×C	● D.F. (tan δ) ≤ 0.025  (D.F. (tan δ) ≤ 0.075 Char. SF/Y5V only)	
Insulation Resistance	10000 MΩ min.		1000 MΩ min.
Temperature Characteristics	[Temperature Coefficient] (ppm/°C)  NPO: 0±60 N220: -220±60 N750: -750±120 and SL/GP	[Temperature Characteristics] ● Temp. Range: -25 to 85 °C ● Reference Temp.: 20 °C	
		T.C.	Cap. Change
		B/Y5P/2B4	±10 % max.
		SB/Y5P/2B4	±10 % max.
		SR/Y5R	±15 % max.
		SS/Y5S	±22 % max.
		SF/Y5V	+30, -85 % max.

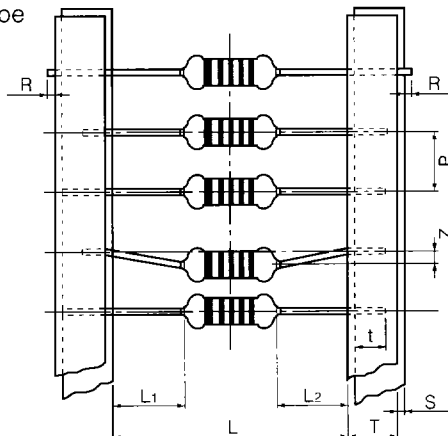
\* Q: Q ≥ 500 at 16 pF and 18 pF of characteristics N220, 16 type

## ■ 形状寸法 Dimensions in mm (not to scale)

### ● Bulk



### ● Taped type



Symbol	Dimensions in mm	
	25 Type	16 Type
A	7.1 max.	3.5 max.
φD	2.8 max.	1.9 max.
φd	0.55±0.05	0.45±0.05
L	20 min.	20 min.

Symbol	Dimensions in mm			
	25 Type		16 Type	
L	26.0 <sup>+1.5</sup> <sub>0</sub>	52 <sup>+2</sup> <sub>-1</sub>	26.0 <sup>-0.5</sup> <sub>0</sub>	52 <sup>-2</sup> <sub>-1</sub>
P	5.0±0.5		5.0±0.5	
L <sub>1</sub> -L <sub>2</sub>	1.0 max.		1.0 max.	
Z	0.8 max.	1.2 max.	0.8 max.	1.2 max.
R	0 max.		0 max.	
T	6.0±1.0		6.0±1.0	
t	3.2 min.		3.2 min.	
S	0.8 max.		0.8 max.	

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## ■ カラーコード表示 Color Code Marking

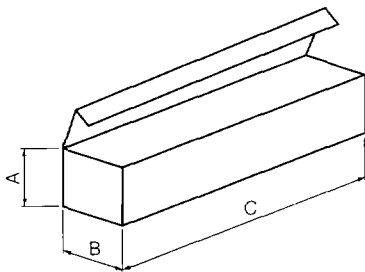


Bar Color	Nominal Capacitance (pF)			Temperature Characteristics	Body Color	Rated Voltage
	First and second Figure	Multiplier	Tolerance		Yellow green	50 V
Black	0	1	±20 %	C (NP0)	Pink	25 V, 16 V
Brown	1	10	—	SS (Y5S)		
Red	2	100	—	—		
Orange	3	1000	—	—		
Yellow	4	10000	—	R (N220)		
Green	5	—	—	—		
Blue	6	—	—	—		
Purple	7	—	—	U (N750)		
Gray	8	—	±30 %	SR (Y5R)		
White	9	—	+80, -20 %	SL/GP*		
Gold	—	0.1	±5 %	—		
Silver	—	0.01	±10 %	B (Y5P)		

\* SL/GP: For general purpose capacitor with temperature coefficient of +350 to -1000 ppm/°C

## ■ 包装仕様 Packaging Specifications

- テーピング品包装箱 Box for Taped Version



Dimensions in mm

	Symbol	Dimensions in mm
A	16 Type (4000 pcs./box)	70±3
	25 Type (2000 pcs./box)	55±3
B	Taping width L=26 mm	50±3
	Taping width L=52 mm	75±3
C		255±3

- 包装基準数量 Standard Packing Quantity

タイプ Type of Product	包装方法 Packing Style	テーピング品 Taped in Box	バルク (単品) Bulk
16 Type		4000 pcs./box	500 pcs./bag
25 Type		2000 pcs./box	200 pcs./bag

- 品番付与区分 Part Numbers

タイプ Type of Product	テーピング品 Taped in Box		バルク (単品) Bulk
	L=26 mm	L=52 mm	
16 Type	ECBT□□□□□□□3	ECBT□□□□□□□4	ECBA□□□□□□□5
25 Type	ECBT□□□□□□□	ECBT□□□□□□□W	ECBA□□□□□□□

## ■ 取り扱いに関する注意事項

90ページを参照ください。

## Precautions for Handling

(See Page 93)

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## ■ 定格・性能 Ratings and Characteristics (16 Type)

### ● (単品) Bulk

Cap. (pF)	Temperature Characteristics	Rated Voltage (VDC)	Tol. (%)	Temperature Characteristics															
				NPO	N220	N750	SL/GP	B/Y5P	SB/Y5P	SR/Y5R	SS/Y5S	SF/Y5V							
1.0	±20	50		ECBA1H010MC5	ECBA1H010MR5		ECBA1H010M5												
1.2	±20	50		ECBA1H1R2MC5	ECBA1H1R2MR5		ECBA1H1R2M5												
1.5	±20	50		ECBA1H1R5MC5	ECBA1H1R5MR5		ECBA1H1R5M5												
1.8	±20	50		ECBA1H1R8MC5	ECBA1H1R8MR5		ECBA1H1R8M5												
2.2	±10	50		ECBA1H2R2KC5	ECBA1H2R2KR5	ECBA1H2R2KU5	ECBA1H2R2K5												
2.7	±10	50		ECBA1H2R7KC5	ECBA1H2R7KR5	ECBA1H2R7KU5	ECBA1H2R7K5												
3.3	±10	50		ECBA1H3R3KC5	ECBA1H3R3KR5	ECBA1H3R3KU5	ECBA1H3R3K5												
3.9	±10	50		ECBA1H3R9KC5	ECBA1H3R9KR5	ECBA1H3R9KU5	ECBA1H3R9K5												
4.7	±10	50		ECBA1H4R7KC5	ECBA1H4R7KR5	ECBA1H4R7KU5	ECBA1H4R7K5												
5.6	±10	50		ECBA1H5R6KC5	ECBA1H5R6KR5	ECBA1H5R6KU5	ECBA1H5R6K5												
6.8	±10	50		ECBA1H6R8KC5	ECBA1H6R8KR5	ECBA1H6R8KU5	ECBA1H6R8K5												
8.2	±10	50		ECBA1H8R2KC5	ECBA1H8R2KR5	ECBA1H8R2KU5	ECBA1H8R2K5												
10	±5	50		ECBA1H100JC5	ECBA1H100JR5	ECBA1H100JU5	ECBA1H100J5												
12	±5	50		ECBA1H120JC5	ECBA1H120JR5	ECBA1H120JU5	ECBA1H120J5												
15	±5	50		ECBA1H150JC5	ECBA1H150JR5	ECBA1H150JU5	ECBA1H150J5												
18	±5	50		ECBA1H180JC5	ECBA1H180JR5	ECBA1H180JU5	ECBA1H180J5												
22	±5	50				ECBA1H220JU5	ECBA1H220J5												
27	±5	50				ECBA1H270JU5	ECBA1H270J5												
33	±5	50					ECBA1H330J5												
39	±5	50					ECBA1H390J5												
47	±5	50					ECBA1H470J5												
56	±5	50					ECBA1H560J5												
68	±5	50					ECBA1H680J5												
82	±10	50							ECBA1H820KB5										
100	±10	50							ECBA1H101KB5										
120	±10	50							ECBA1H121KB5										
150	±10	50							ECBA1H151KB5										
180	±10	50							ECBA1H181KB5										
220	±10	50							ECBA1H221KB5										
270	±10	50							ECBA1H271KB5										
330	±10	50							ECBA1H331KB5										
390	±10	50							ECBA1H391KB5										
470	±10	50							ECBA1H471KB5										
560	±10	50							ECBA1H561KB5										
680	±10	50							ECBA1H681KB5										
820	±10	50								ECBA1H821KB5									
1000	±10	50								ECBA1H102KB5									
1200	±20	16									ECBA1C122MR5								
1500	±20	16									ECBA1C152MR5								
1800	±20	16									ECBA1C182MR5								
2200	±20	16									ECBA1C222MR5								
2700	±20	16									ECBA1C272MR5								
3300	±20	16									ECBA1C332MR5								
3900	±20	16									ECBA1C392MR5								
4700	±20	16									ECBA1C472MR5								
5600	±20	16									ECBA1C562MR5								
6800	±20	16									ECBA1C682MR5								
10000	±30	16															ECBA1C103NS5		
10000	+80,-20	25																	ECBA1E103ZF5
22000	+80,-20	25																	ECBA1E223ZF5

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## ■ 定格・性能 Ratings and Characteristics (16 Type)

### ● (テーピング品) Taped Version

Cap (pF)	Tol. (%)	Temperature Characteristics Rated Voltage (VDC)	NP0	N220	N750	SL/GP	B/Y5P	SB/Y5P	SR/Y5R	SS/Y5S	SF/Y5V
1.0	±20	50	ECBT1H010MC□	ECBT1H010MR□		ECBT1H010M□					
1.2	±20	50	ECBT1H1R2MC□	ECBT1H1R2MR□		ECBT1H1R2M□					
1.5	±20	50	ECBT1H1R5MC□	ECBT1H1R5MR□		ECBT1H1R5M□					
1.8	±20	50	ECBT1H1R8MC□	ECBT1H1R8MR□		ECBT1H1R8M□					
2.2	±10	50	ECBT1H2R2KC□	ECBT1H2R2KR□	ECBT1H2R2KU□	ECBT1H2R2K□					
2.7	±10	50	ECBT1H2R7KC□	ECBT1H2R7KR□	ECBT1H2R7KU□	ECBT1H2R7K□					
3.3	±10	50	ECBT1H3R3KC□	ECBT1H3R3KR□	ECBT1H3R3KU□	ECBT1H3R3K□					
3.9	±10	50	ECBT1H3R9KC□	ECBT1H3R9KR□	ECBT1H3R9KU□	ECBT1H3R9K□					
4.7	±10	50	ECBT1H4R7KC□	ECBT1H4R7KR□	ECBT1H4R7KU□	ECBT1H4R7K□					
5.6	±10	50	ECBT1H5R6KC□	ECBT1H5R6KR□	ECBT1H5R6KU□	ECBT1H5R6K□					
6.8	±10	50	ECBT1H6R8KC□	ECBT1H6R8KR□	ECBT1H6R8KU□	ECBT1H6R8K□					
8.2	±10	50	ECBT1H8R2KC□	ECBT1H8R2KR□	ECBT1H8R2KU□	ECBT1H8R2K□					
10	±5	50	ECBT1H100JC□	ECBT1H100JR□	ECBT1H100JU□	ECBT1H100J□					
12	±5	50	ECBT1H120JC□	ECBT1H120JR□	ECBT1H120JU□	ECBT1H120J□					
15	±5	50	ECBT1H150JC□	ECBT1H150JR□	ECBT1H150JU□	ECBT1H150J□					
18	±5	50	ECBT1H180JC□	ECBT1H180JR□	ECBT1H180JU□	ECBT1H180J□					
22	±5	50			ECBT1H220JU□	ECBT1H220J□					
27	±5	50			ECBT1H270JU□	ECBT1H270J□					
33	±5	50				ECBT1H330J□					
39	±5	50				ECBT1H390J□					
47	±5	50				ECBT1H470J□					
56	±5	50				ECBT1H560J□					
68	±5	50				ECBT1H680J□					
82	±10	50					ECBT1H820KB□				
100	±10	50					ECBT1H101KB□				
120	±10	50					ECBT1H121KB□				
150	±10	50					ECBT1H151KB□				
180	±10	50					ECBT1H181KB□				
220	±10	50					ECBT1H221KB□				
270	±10	50					ECBT1H271KB□				
330	±10	50					ECBT1H331KB□				
390	±10	50					ECBT1H391KB□				
470	±10	50					ECBT1H471KB□				
560	±10	50					ECBT1H561KB□				
680	±10	50					ECBT1H681KB□				
820	±10	50						ECBT1H821KB□			
1000	±10	50						ECBT1H102KB□			
1200	±20	16							ECBT1C122MR□		
1500	±20	16							ECBT1C152MR□		
1800	±20	16							ECBT1C182MR□		
2200	±20	16							ECBT1C222MR□		
2700	±20	16							ECBT1C272MR□		
3300	±20	16							ECBT1C332MR□		
3900	±20	16							ECBT1C392MR□		
4700	±20	16							ECBT1C472MR□		
5600	±20	16							ECBT1C562MR□		
6800	±20	16							ECBT1C682MR□		
10000	±30	16								ECBT1C103NS□	
10000	+80,-20	25									ECBT1E103ZF□
22000	+80,-20	25									ECBT1E223ZF□

Note □ Suffix for taping width; "3" for the dimension of 26 mm or "4" for 52 mm

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## ■ 定格・性能 Ratings and Characteristics (25 Type)

### ● (単品) Bulk

Cap. (pF)	Tol (%)	Temperature Characteristics Rated Voltage (VDC)	Temperature Characteristics																	
			NPO	N220	N750	SL/GP	B/Y5P	SR/Y5R	SS/Y5S	SF/Y5V										
1.0	±20	50	ECBA1H010MC			ECBA1H010M														
1.2	±20	50	ECBA1H1R2MC			ECBA1H1R2M														
1.5	±20	50	ECBA1H1R5MC			ECBA1H1R5M														
1.8	±20	50	ECBA1H1R8MC			ECBA1H1R8M														
2.2	±10	50	ECBA1H2R2KC	ECBA1H2R2KR		ECBA1H2R2K														
2.7	±10	50	ECBA1H2R7KC	ECBA1H2R7KR		ECBA1H2R7K														
3.3	±10	50	ECBA1H3R3KC	ECBA1H3R3KR	ECBA1H3R3KU	ECBA1H3R3K														
3.9	±10	50	ECBA1H3R9KC	ECBA1H3R9KR	ECBA1H3R9KU	ECBA1H3R9K														
4.7	±10	50	ECBA1H4R7KC	ECBA1H4R7KR	ECBA1H4R7KU	ECBA1H4R7K														
5.6	±10	50	ECBA1H5R6KC	ECBA1H5R6KR	ECBA1H5R6KU	ECBA1H5R6K														
6.8	±10	50	ECBA1H6R8KC	ECBA1H6R8KR	ECBA1H6R8KU	ECBA1H6R8K														
8.2	±10	50	ECBA1H8R2KC	ECBA1H8R2KR	ECBA1H8R2KU	ECBA1H8R2K														
10	±5	50	ECBA1H100JC	ECBA1H100JR	ECBA1H100JU	ECBA1H100J														
12	±5	50	ECBA1H120JC	ECBA1H120JR	ECBA1H120JU	ECBA1H120J														
15	±5	50	ECBA1H150JC	ECBA1H150JR	ECBA1H150JU	ECBA1H150J														
18	±5	50	ECBA1H180JC	ECBA1H180JR	ECBA1H180JU	ECBA1H180J														
22	±5	50	ECBA1H220JC	ECBA1H220JR	ECBA1H220JU	ECBA1H220J														
27	±5	50	ECBA1H270JC	ECBA1H270JR	ECBA1H270JU	ECBA1H270J														
33	±5	50	ECBA1H330JC	ECBA1H330JR	ECBA1H330JU	ECBA1H330J														
39	±5	50	ECBA1H390JC	ECBA1H390JR	ECBA1H390JU	ECBA1H390J														
47	±5	50			ECBA1H470JU	ECBA1H470J														
56	±5	50			ECBA1H560JU	ECBA1H560J														
68	±5	50			ECBA1H680JU	ECBA1H680J														
82	±5	50				ECBA1H820J														
100	±5	50				ECBA1H101J														
120	±5	50				ECBA1H121J														
150	±10	50					ECBA1H151KB													
180	±10	50					ECBA1H181KB													
220	±10	50					ECBA1H221KB													
270	±10	50					ECBA1H271KB													
330	±10	50					ECBA1H331KB													
390	±10	50					ECBA1H391KB													
470	±10	50					ECBA1H471KB													
560	±10	50					ECBA1H561KB													
680	±10	50					ECBA1H681KB													
820	±10	50					ECBA1H821KB													
1000	±10	50					ECBA1H102KB													
1200	±20	50						ECBA1H122MR												
1500	±20	50						ECBA1H152MR												
1800	±20	50						ECBA1H182MR												
2200	±20	50						ECBA1H222MR												
2700	±20	50						ECBA1H272MR												
3300	±20	50						ECBA1H332MR												
3900	±20	50						ECBA1H392MR												
4700	±20	50						ECBA1H472MR												
5600	±20	50						ECBA1H562MR												
6800	±20	25						ECBA1E682MR												
10000	±20	25						ECBA1E103MR												
15000	±20	25						ECBA1E153MR												
22000	±30	16															ECBA1C223NS			
10000	+80,-20	50																		ECBA1H103ZF
22000	+80,-20	50																		ECBA1H223ZF
47000	+80,-20	50																		ECBA1H473ZF
100000	+80,-20	25																		ECBA1E104ZF

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# Panasonic セラミックコンデンサ (アキシャル リード形) Axial Lead Ceramic Capacitors

## ■ 定格・性能 Ratings and Characteristics (25 Type)

### ● (テーピング品) Taped Version

Cap (pF)	Temperature Characteristics		NP0	N220	N750	SL/GP	B/Y5P	SR/Y5R	SS/Y5S	SF/Y5V
	Tol (%)	Rated Voltage (VDC)								
1.0	±20	50	ECBT1H010MC□			ECBT1H010M□				
1.2	±20	50	ECBT1H1R2MC□			ECBT1H1R2M□				
1.5	±20	50	ECBT1H1R5MC□			ECBT1H1R5M□				
1.8	±20	50	ECBT1H1R8MC□			ECBT1H1R8M□				
2.2	±10	50	ECBT1H2R2KC□	ECBT1H2R2KR□		ECBT1H2R2K□				
2.7	±10	50	ECBT1H2R7KC□	ECBT1H2R7KR□		ECBT1H2R7K□				
3.3	±10	50	ECBT1H3R3KC□	ECBT1H3R3KR□	ECBT1H3R3KU□	ECBT1H3R3K□				
3.9	±10	50	ECBT1H3R9KC□	ECBT1H3R9KR□	ECBT1H3R9KU□	ECBT1H3R9K□				
4.7	±10	50	ECBT1H4R7KC□	ECBT1H4R7KR□	ECBT1H4R7KU□	ECBT1H4R7K□				
5.6	±10	50	ECBT1H5R6KC□	ECBT1H5R6KR□	ECBT1H5R6KU□	ECBT1H5R6K□				
6.8	±10	50	ECBT1H6R8KC□	ECBT1H6R8KR□	ECBT1H6R8KU□	ECBT1H6R8K□				
8.2	±10	50	ECBT1H8R2KC□	ECBT1H8R2KR□	ECBT1H8R2KU□	ECBT1H8R2K□				
10	±5	50	ECBT1H100JC□	ECBT1H100JR□	ECBT1H100JU□	ECBT1H100J□				
12	±5	50	ECBT1H120JC□	ECBT1H120JR□	ECBT1H120JU□	ECBT1H120J□				
15	±5	50	ECBT1H150JC□	ECBT1H150JR□	ECBT1H150JU□	ECBT1H150J□				
18	±5	50	ECBT1H180JC□	ECBT1H180JR□	ECBT1H180JU□	ECBT1H180J□				
22	±5	50	ECBT1H220JC□	ECBT1H220JR□	ECBT1H220JU□	ECBT1H220J□				
27	±5	50	ECBT1H270JC□	ECBT1H270JR□	ECBT1H270JU□	ECBT1H270J□				
33	±5	50	ECBT1H330JC□	ECBT1H330JR□	ECBT1H330JU□	ECBT1H330J□				
39	±5	50	ECBT1H390JC□	ECBT1H390JR□	ECBT1H390JU□	ECBT1H390J□				
47	±5	50			ECBT1H470JU□	ECBT1H470J□				
56	±5	50			ECBT1H560JU□	ECBT1H560J□				
68	±5	50			ECBT1H680JU□	ECBT1H680J□				
82	±5	50				ECBT1H820J□				
100	±5	50				ECBT1H101J□				
120	±5	50				ECBT1H121J□				
150	±10	50					ECBT1H151KB□			
180	±10	50					ECBT1H181KB□			
220	±10	50					ECBT1H221KB□			
270	±10	50					ECBT1H271KB□			
330	±10	50					ECBT1H331KB□			
390	±10	50					ECBT1H391KB□			
470	±10	50					ECBT1H471KB□			
560	±10	50					ECBT1H561KB□			
680	±10	50					ECBT1H681KB□			
820	±10	50					ECBT1H821KB□			
1000	±10	50					ECBT1H102KB□			
1200	±20	50						ECBT1H122MR□		
1500	±20	50						ECBT1H152MR□		
1800	±20	50						ECBT1H182MR□		
2200	±20	50						ECBT1H222MR□		
2700	±20	50						ECBT1H272MR□		
3300	±20	50						ECBT1H332MR□		
3900	±20	50						ECBT1H392MR□		
4700	±20	50						ECBT1H472MR□		
5600	±20	50						ECBT1H562MR□		
6800	±20	25						ECBT1E682MR□		
10000	±20	25						ECBT1E103MR□		
15000	±20	25						ECBT1E153MR□		
22000	±30	16							ECBT1C223NS□	
10000	+80, -20	50								ECBT1H103ZF□
22000	+80, -20	50								ECBT1H223ZF□
47000	+80, -20	50								ECBT1H473ZF□
100000	+80, -20	25								ECBT1E104ZF□

Note: □: Suffix for taping width, "Nil" for the dimension of 26 mm or "W" for 52 mm.

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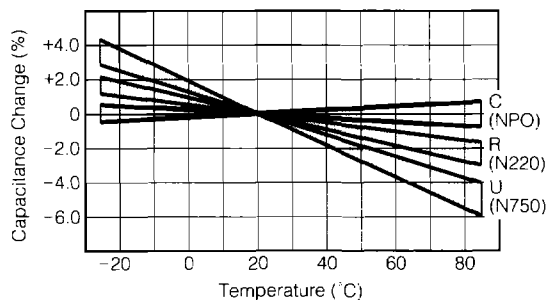
# Panasonic セラミックコンデンサ (アキシアルリード形) Axial Lead Ceramic Capacitors

## ■ 代表特性例 Typical Characteristics

### ● 静電容量温度特性例 (Typical Temperature Characteristics)

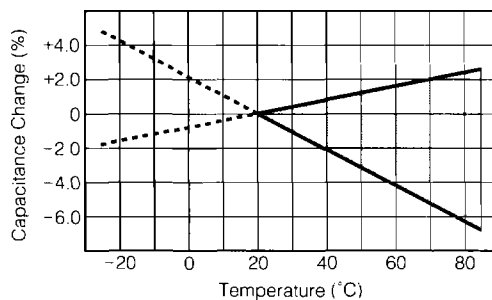
[Class 1] 特性C,R,U

[Characteristics C(NP0),R(N220),U(N750)]



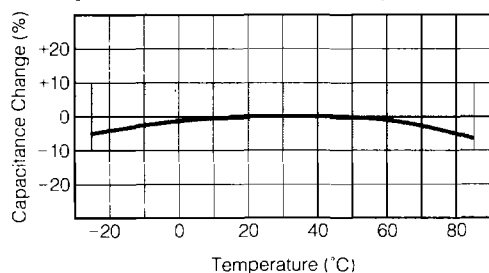
[Class 1] 特性SL

[Characteristics SL/GP (P350 to N1000)]



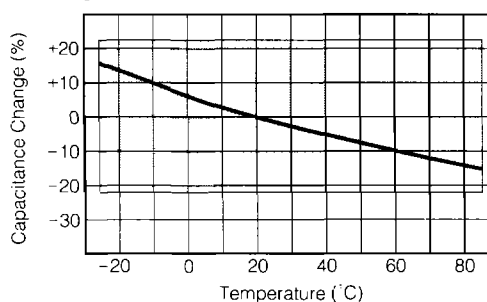
[Class 2] 特性B

[Characteristics B (Y5P/2B4)]



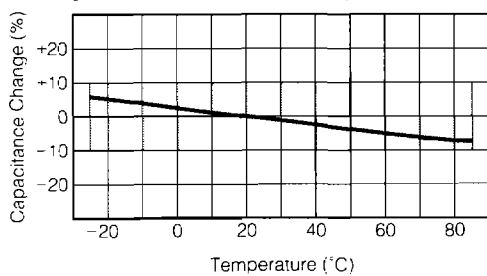
[Class 3] 特性SS

[Characteristics SS (Y5S)]



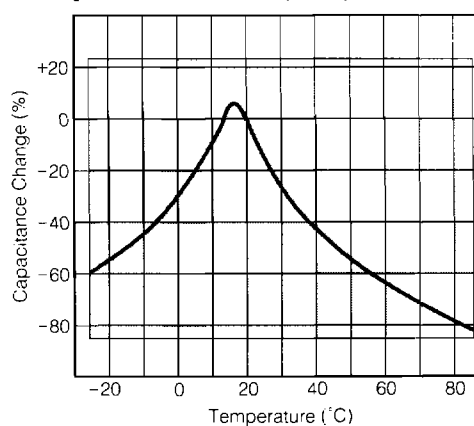
[Class 3] 特性SB

[Characteristics SB (Y5P)]



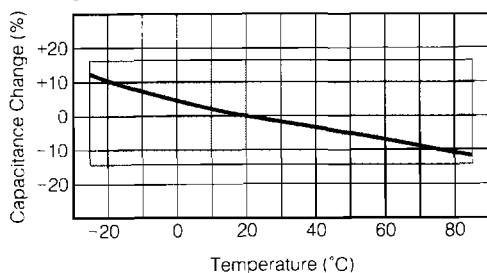
[Class 3] 特性SF

[Characteristics SF (Y5V)]



[Class 3] 特性SR

[Characteristics SR (Y5R)]



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