

FEATURES

- Able to be used at wide temperature from -25°C to 70°C
- Long life Endurance: 1,000 hours at +70°C, Low ESR
- REACH, RoHS Directive Compliant

APPLICATIONS

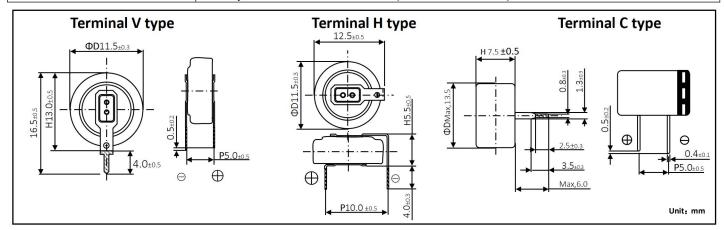
• Memory back-up for Video, Audio, Cameras, CCTV, Printer, Camcorder, Telephones, Car stereo, E-meter, Toy, Computer, Notebook PC, Rice cooker, Home network etc.



PART NUMBER SYSTEM						
<u>CBN</u>	<u>5R5</u>	<u>224</u>	<u>H</u>	<u>E</u>	**	
Series	Rated Voltage	Capacitance	Type	RoHS	Special Code	

GENERAL SPECIFICATIONS / DIMENSIONS

Item	Performance					
Operating temperature	-25°C to +70°C					
Capacitance range	0.22F to 0.47F					
Capacitance tolerance	- 20% to + 80% (at 25℃)					
Rated voltage	5.5 VDC					
Name in all and a site of a Constitution of the site o	Nominal capacitance (F)	0.22	0.33	0.47		
Nominal capacitance & Resistance	Nominal resistance (Ω)	25	25	25		
Tomporature abaracteristics	Capacitance change: Within ±30% of initial measured value at +20°C (-15°C to +70°C)					
Temperature characteristics	Internal resistance: Within ±500% of initial measured value at +20°C (at -15°C)					
Endurance	After 1000 hours:					
(At rated voltage & max. operating	Capacitance change: ±30% of initial rated value					
temp)	Internal resistance: Within 4 times of initial specified value					
Shelf life	After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.					



STANDARD PRODUCTS

Part Number	Working Voltage	Rated Cap.	V type(mm)		
T dit i tullisei	(V DC)	(F)	ФD	Н	Р
CBN5R5224VF-ZG	5.5	0.22	11.5	13.0	5.0
CBN5R5334VF-ZG	5.5	0.33	11.5	13.0	5.0
CBN5R5474VF-ZG	5.5	0.47	11.5	13.0	5.0

Part Number	Working Voltage	Rated Cap. (F)	C type(mm)		
T dit i vanise.	(V DC)		ФD	Н	Р
CBN5R5224CF-ZG	5.5	0.22	13.5	7.5	5.0
CBN5R5334CF-ZG	5.5	0.33	13.5	7.5	5.0
CBN5R5474CF-ZG	5.5	0.47	13.5	7.5	5.0

Part Number	Working Voltage	Rated Cap.	Hi	type(mm)	
	(V DC)	(F)	ΦD	Н	P
CBN5R5224HF-ZG	5.5	0.22	11.5	5.5	10.0
CBN5R5334HF-ZG	5.5	0.33	11.5	5.5	10.0
CBN5R5474HF-ZG	5.5	0.47	11.5	5.5	10.0

Precautions

- Please do not apply external force to the product or the terminal due to stress such as twisting, bending, pushing, knocking down, etc., which may cause the product or terminal to fall off, resulting in an open circuit, short circuit, or liquid leakage.
- Please do not overheat the capacitor with respect to heating in an adhesive curing furnace, etc. For details, see Precautions for Using Electric Double Layer Capacitors.