EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Radial Lead Type
SEPG series



OS-CON

UPGRADE

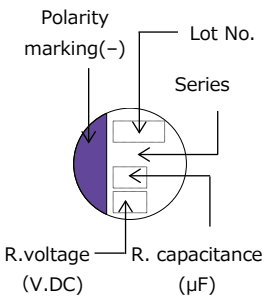
Features

- High ripple current (6100 mA r.m.s. max.)
- RoHS compliance, Halogen free

Specifications

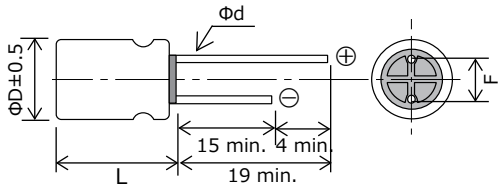
Size code	C9	C10	E9	E13
Category temp. range	−55 ℃ to +105 ℃			
Rated voltage range	16 V.DC			
Rated cap. range	270 μF		470 μF	560 μF
Capacitance tolerance	±20 % (120 Hz / +20 ℃)			
Leakage current	Please see the attached characteristics list			
Dissipation factor (tan δ)	Please see the attached characteristics list			
Endurance	+105 ℃ 5000 h, rated voltage applied			
	Capacitance change	Within ±20 % of the initial value		
	Dissipation factor (tan δ)	≦ 200 % of the initial limit		
	DC leakage current	Within the initial limit		
Damp heat (Steady State)	+60 °C, 90 % to 95 %, 1000 h, No-applied voltage			
	Capacitance change	Within ±20 % of the initial value		
	Dissipation factor (tan δ)	≦ 150 % of the initial limit		
	DC leakage current	Within the initial limit (after voltage processing)		

Marking

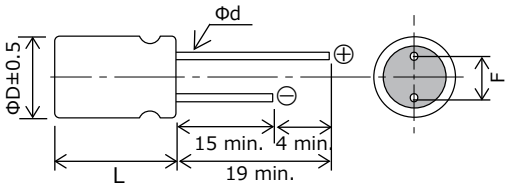


Dimensions (not to scale)

・E13 size



・C9、C10、E9 size



C9、C10、E9 size flat rubber is used.

Unit : mm

Size code	φD±0.5	L max.	F±0.5	φd±0.05
C9	6.3	9.0	2.5	0.6
C10	6.3	10.0	2.5	0.5
E9	8.0	9.0	3.5	0.6
E13	8.0	13.0	3.5	0.6

Characteristics list

Rated volt. (V.DC)	Rated cap. (±20 %) (μF)	Case size (mm) φD	Case size (mm) L	Size code	Specifications: Ripple current *1 (mA r.m.s.)	Specifications: ESR *2 (mΩ)	Specifications: tan δ *3	Specifications: LC *4 (μA)	Part number
16	270	6.3	8.9	C9	5040	10	0.12	864	16SEPG270W
		6.3	9.9	C10	5800	8	0.12	864	16SEPG270M
	470	8.0	8.9	E9	5400	8	0.12	1504	16SEPG470M
	NEW 560	8.0	12.9	E13	6100	8	0.12	1792	16SEPG560M

*1: Ripple curren (100 kHz / +105 ℃) *2: ESR (100 kHz / +20 ℃) *3: tan δ (120 Hz / +20 ℃) *4: After 2 minutes

・Please refer to each page in this catarog for “Flow conditions” and “Taping specifications”.

Frequency correction factor for ripple current

Frequency(f)	120 Hz ≦ f < 1 kHz	1 kHz ≦ f < 10 kHz	10 kHz ≦ f < 100 kHz	100 kHz ≦ f < 500 kHz
Coefficient	0.05	0.3	0.7	1

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

Panasonic

Guidelines and precautions regarding the technical information and use of our products described in this online catalog.

- If you want to use our products described in this online catalog for applications requiring special qualities or reliability, or for applications where the failure or malfunction of the products may directly jeopardize human life or potentially cause personal injury (e.g. aircraft and aerospace equipment, traffic and transportation equipment, combustion equipment, medical equipment, accident prevention, anti-crime equipment, and/or safety equipment), it is necessary to verify whether the specifications of our products fit to such applications. Please ensure that you will ask and check with our inquiry desk as to whether the specifications of our products fit to such applications use before you use our products.

- The quality and performance of our products as described in this online catalog only apply to our products when used in isolation. Therefore, please ensure you evaluate and verify our products under the specific circumstances in which our products are assembled in your own products and in which our products will actually be used.

- If you use our products in equipment that requires a high degree of reliability, regardless of the application, it is recommended that you set up protection circuits and redundancy circuits in order to ensure safety of your equipment.

- The products and product specifications described in this online catalog are subject to change for improvement without prior notice. Therefore, please be sure to request and confirm the latest product specifications which explain the specifications of our products in detail, before you finalize the design of your applications, purchase, or use our products.

- The technical information in this online catalog provides examples of our products' typical operations and application circuits. We do not guarantee the non-infringement of third party's intellectual property rights and we do not grant any license, right, or interest in our intellectual property.

- If any of our products, product specifications and/or technical information in this online catalog is to be exported or provided to non-residents, the laws and regulations of the exporting country, especially with regard to security and export control, shall be observed.

<Regarding the Certificate of Compliance with the EU RoHS Directive/REACH Regulations>

- The switchover date for compliance with the RoHS Directive/REACH Regulations varies depending on the part number or series of our products.

- When you use the inventory of our products for which it is unclear whether those products are compliant with the RoHS Directive/REACH Regulation, please select "Sales Inquiry" in the website inquiry form and contact us.

We do not take any responsibility for the use of our products outside the scope of the specifications, descriptions, guidelines and precautions described in this online catalog.