# Surface Mount Type

Series: **SXV**

OS-CON

UPGRADE

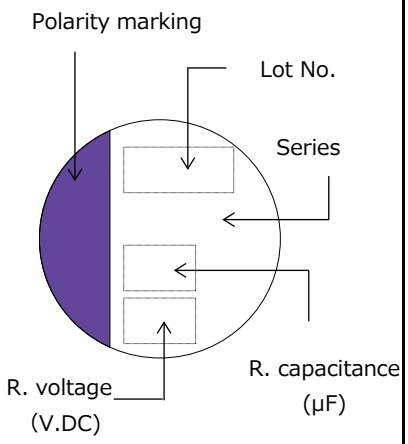
## Features

- Super high voltage (100 V.DC max.)
- RoHS compliance, Halogen free

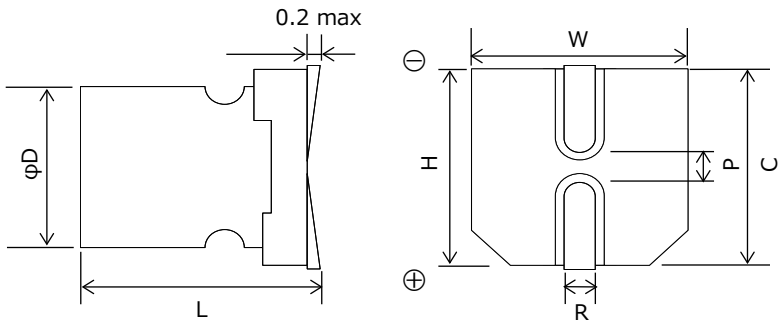
## Specifications

| Size code | E7 | F8 | E12 | F12 |
|---|---|---|---|---|
| Category temp. range | −55 ℃ to +125 ℃ | | | |
| Rated voltage range | 63 V.DC to 100 V.DC | | | |
| Nominal cap.range | 6.8 μF to 18 μF | 15 μF to 39 μF | 15 μF to 56 μF | 18 μF to 100 μF |
| Capacitance tolerance | ±20 % (120 Hz / +20 ℃) | | | |
| DC leakage current | Please see the attached characteristics list | | | |
| Dissipation factor (tan δ) | Please see the attached characteristics list | | | |
| Endurance | +125 ℃, 1000 h, rated voltage applied | | | |
| | Capacitance change | Within ±20 % of the initial value | | |
| | Dissipation factor (tanδ) | ≦ 200 % of the initial limit | | |
| | DC leakage current | Within the initial limit | | |
| | +60 ℃, 90 % to 95 %, 1000 h, No-applied voltage | | | |
| | Capacitance change | Within ±20 % of the initial value | | |
| | Dissipation factor (tanδ) | ≦ 150 % of the initial limit | | |
| | DC leakage current | Within the initial limit (after voltage processing) | | |

## Marking




## Dimensions (not to scale)




Unit : mm

| Size code | φD±0.5 | L +0.1 -0.4 | W±0.2 | H±0.2 | C±0.2 | R | P±0.2 |
|---|---|---|---|---|---|---|---|
| E7 | 8.0 | 6.9 | 8.3 | 8.3 | 9.0 | 0.6 to 0.8 | 3.2 |
| F8 | 10.0 | 7.9 | 10.3 | 10.3 | 11.0 | 0.6 to 0.8 | 4.6 |
| E12 | 8.0 | 11.9 | 8.3 | 8.3 | 9.0 | 0.8 to 1.1 | 3.2 |
| F12 | 10.0 | 12.6 | 10.3 | 10.3 | 11.0 | 0.8 to 1.1 | 4.6 |

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.

## Characteristics list

| Rated vol. (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: Allowable ripple current *1 (mA r.m.s.) | Specifications: ESR *2 (mΩ) | Specifications: tan δ *3 | Specifications: LC *4 (μA) | Standard (Reel size : φ380) Part number | Standard (Reel size : φ380) Min. Packaging Q'ty (pcs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 18 | 8.0 | 6.9 | E7 | 340 | 1100 | 60 | 0.12 | 56 | 63SXV18M | 1000 |
| | 33 | 8.0 | 11.9 | E12 | 930 | 2950 | 25 | 0.12 | 104 | 63SXV33M | 400 |
| | 39 | 8.0 | 11.9 | E12 | 930 | 2950 | 25 | 0.12 | 122 | 63SXV39M | 400 |
| | | 10.0 | 7.9 | F8 | 690 | 2190 | 50 | 0.12 | 122 | 63SXV39MX | 500 |
| NEW | 56 | 8.0 | 11.9 | E12 | 930 | 2950 | 25 | 0.12 | 176 | 63SXV56M | 400 |
| | 68 | 10.0 | 12.6 | F12 | 1030 | 3280 | 25 | 0.12 | 214 | 63SXV68M | 400 |
| NEW | 100 | 10.0 | 12.6 | F12 | 1030 | 3280 | 25 | 0.12 | 315 | 63SXV100M | 400 |
| 80 | 12 | 8.0 | 6.9 | E7 | 340 | 1100 | 60 | 0.12 | 48 | 80SXV12M | 1000 |
| | 27 | 8.0 | 11.9 | E12 | 780 | 2490 | 35 | 0.12 | 108 | 80SXV27M | 400 |
| | | 10.0 | 7.9 | F8 | 660 | 2080 | 55 | 0.12 | 108 | 80SXV27MX | 500 |
| NEW | 33 | 8.0 | 11.9 | E12 | 780 | 2490 | 35 | 0.12 | 132 | 80SXV33M | 400 |
| | 47 | 10.0 | 12.6 | F12 | 980 | 3100 | 28 | 0.12 | 980 | 80SXV47M | 400 |
| NEW | 56 | 10.0 | 12.6 | F12 | 980 | 3100 | 28 | 0.12 | 224 | 80SXV56M | 400 |
| 100 | 6.8 | 8.0 | 6.9 | E7 | 340 | 1100 | 60 | 0.12 | 34 | 100SXV6R8M | 1000 |
| | 15 | 10.0 | 7.9 | F8 | 630 | 2000 | 60 | 0.12 | 75 | 100SXV15MX | 500 |
| | | 8.0 | 11.9 | E12 | 730 | 2350 | 40 | 0.12 | 75 | 100SXV15M | 400 |
| | 18 | 10.0 | 12.6 | F12 | 940 | 3000 | 30 | 0.12 | 90 | 100SXV18M | 400 |
| NEW | | 8.0 | 11.9 | E12 | 730 | 2350 | 40 | 0.12 | 90 | 100SXV18MX | 400 |
| | 22 | 10.0 | 12.6 | F12 | 940 | 3000 | 30 | 0.12 | 110 | 100SXV22M | 400 |
| NEW | 27 | 10.0 | 12.6 | F12 | 940 | 3000 | 30 | 0.12 | 135 | 100SXV27M | 400 |

*1: Ripple current (100 kHz / +105 °C < Tx ≦ +125 °C) /Allowable ripple current (100 kHz / Tx ≦ +105 °C)
*2: ESR (100 kHz to 300 kHz / +20 ℃)
*3: tan δ (120 Hz / +20 ℃)
*4: After 2 minutes
・Please refer to each page in this catarog for “Reflow 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.**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

63SXV33M 100SXV15M 100SXV15MX 100SXV22M 100SXV6R8M 100SXV18M 80SXV47M 63SXV18M 63SXV39M 63SXV68M 80SXV27MX 80SXV27M 63SXV39MX 80SXV12M 80SXV33M 80SXV56M 100SXV18MX 100SXV27M 63SXV100M 63SXV56M

# OCEAN CHIPS
## Океан Электроники
## Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

**«JONHON»** (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

**«FORSTAR»** (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

Телефон: 8 (812) 309-75-97 (многоканальный)
Факс: 8 (812) 320-03-32
Электронная почта: ocean@oceanchips.ru
Web: http://oceanchips.ru/
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А