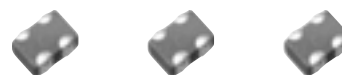


Series : **EZJZS**

■ Packaging Methods, Handling Precautions
Please see Data Files

- Excellent ESD suppression due to advanced material technology
- Meets IEC61000-4-2, Level 4 standard
- Can replace 2 Zener Diodes and 1 Capacitor
- 2 Array per package for multiple lines
- Ultra low capacitance for high speed signal lines
- Ideal usage for USB 2.0, IEEE1394, and HDMI high speed data busses
- RoHS compliant

The diagram illustrates the 12-digit marking code for varistors. The code is structured as follows:

- Product Code (Digits 1-3):** E, Z, J
- Series Code (Digits 4-6):** Z, S, V
- Design Code (Digits 7-11):** 2, 7, 0, E, A
- Example Digit (Digit 12):** (Empty)

Each digit is linked to a table of possible values and their meanings:

- Product Code:**

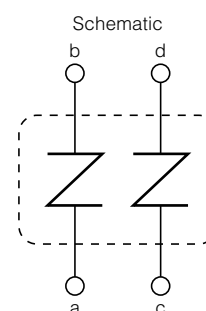
Size Code	
S	0504 2 Array Type
- Series Code:**

Packaging Style Code	
V	2 Array Paper Taping
- Design Code:**

Nominal Varistor Voltage	
The first and second digits denote the first 2 figures of varistor voltage and the third digit indicates the number of zeros following.	
Capacitance Code	
A	3 pF max.
R	20 pF max.
D	27 pF max.
P	33 pF max.
S	39 pF max.
T	43 pF max.
E	47 pF max.
J	220 pF max.
- Example Digit:**

Design Code	
Nil	Cap. Tolerance : max.
K	Cap. Tolerance : $\pm 10\%$
M	Cap. Tolerance : $\pm 20\%$

No.	Name	
①	Semiconductive Ceramics	
②	Internal electrode	
③	Terminal electrode	Substrate electrode
④		Intermediate electrode
⑤		External electrode



Size(inch)	L	W	T	BW	BW ₁	P
0504 (2 Array)	1.37±0.15	1.0±0.1	0.60 ^{+0.06} _{-0.10}	0.36±0.10	0.2±0.1	0.64±0.10

01 Nov. 2012

■ Ratings and Characteristics

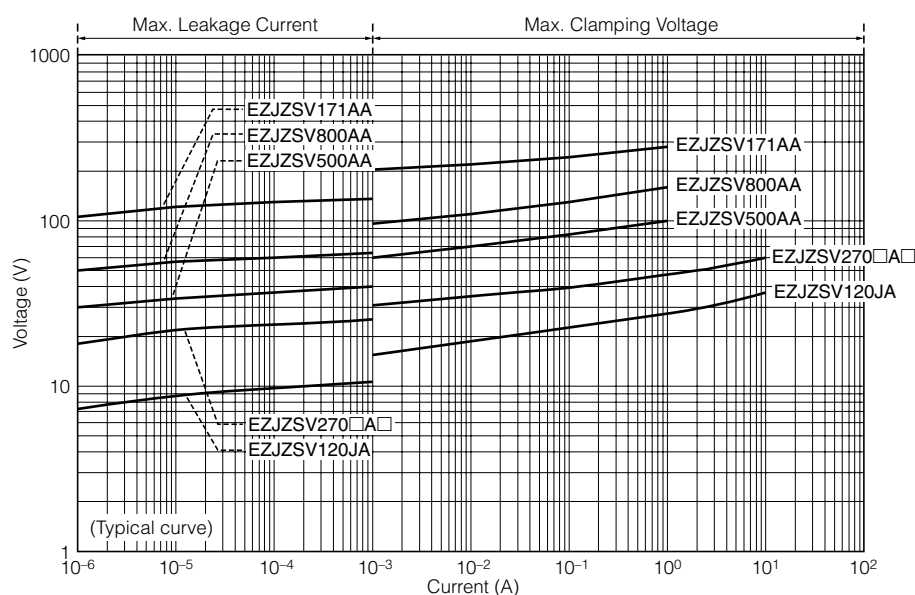
Size	Part No.	Maximum allowable voltage DC (V)	Nominal varistor voltage at 1mA (V)	Capacitance (pF)		Maximum peak current at 8/20μs, 2times (A)	Maximum ESD IEC61000-4-2
				at 1MHz	at 1kHz		
0504 (2 Array)	EZJZSV120JA	6.7	12	220 max. [150 typ.]	175 typ.	5	Contact discharge 8 kV
	EZJZSV270EA	16	27	47 max. [33 typ.]	37 typ.	5	
	EZJZSV270RA	16	27	20 max. [15 typ.]	16.5 typ.	3	
	EZJZSV270DA□	16	27	27±10 %/±20 %	30 typ.	5	
	EZJZSV270PA□	16	27	33±10 %/±20 %	37 typ.	5	
	EZJZSV270SA□	16	27	39±10 %/±20 %	43 typ.	5	
	EZJZSV270TA□	16	27	43±10 %/±20 %	47 typ.	5	
	EZJZSV270EA□	16	27	47±10 %/±20 %	52 typ.	5	
	EZJZSV500AA	5	50	3 max. [2.1 typ.]	—	—	
	EZJZSV800AA	18	80	3 max. [2.1 typ.]	—	—	
	EZJZSV171AA	18	170	3 max. [2.1 typ.]	—	—	

● Operating Temperature Range: -40 to 85 °C

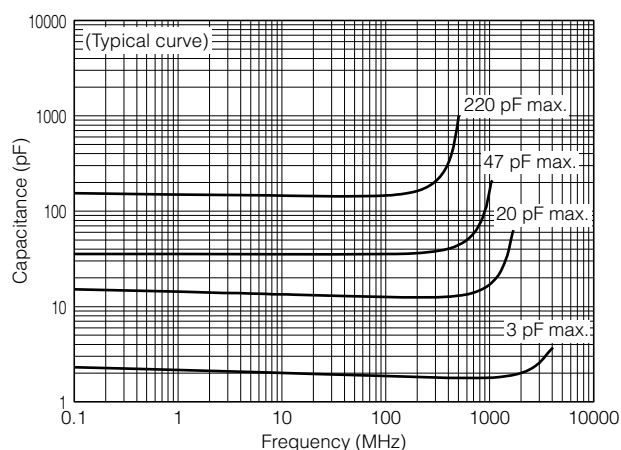
* □ : Capacitance Tolerance Code K:±10 %, M:±20 %

* Avoid flow soldering.

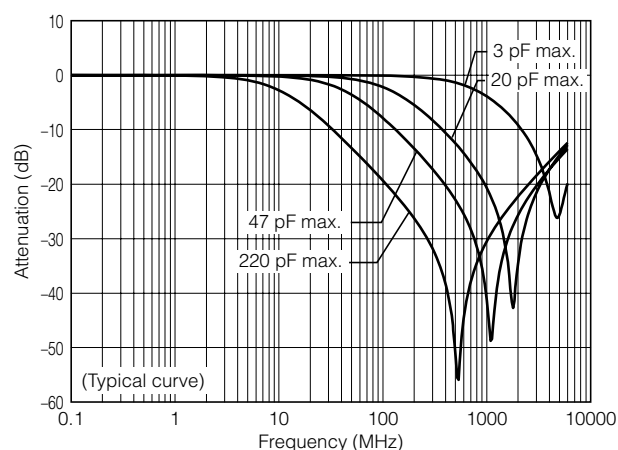
■ Voltage vs. Current



■ Frequency vs. Capacitance



■ Frequency vs. Impedance



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.