

*Using breakthrough technology,
we aim for products that will create new markets.*

New Product News

Wide range of products

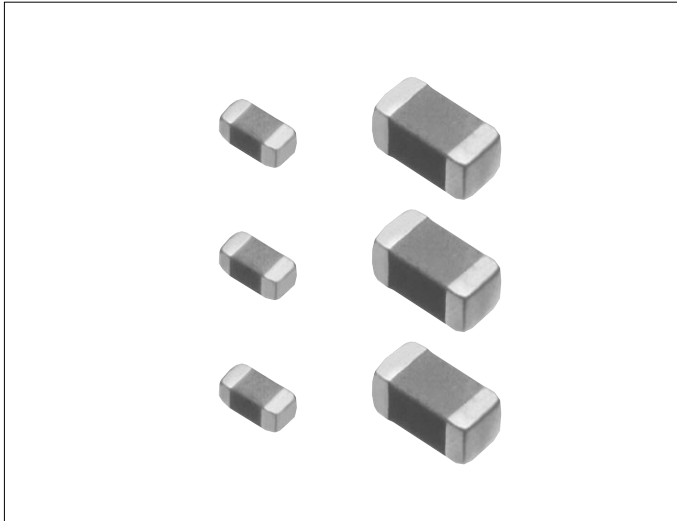
Varistor

Multilayer Chip Varistor for HDMI

Industry/Field:

AV

Ultra Low Capacitance Multilayer Chip Varistor for HDMI



• Development Target:

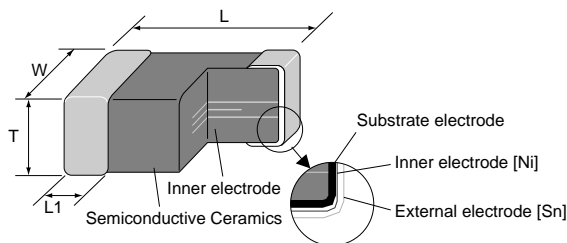
Suitable for the measure against ESD of HDMI interface that is the next generation AV interface.

• Features:

- 1** Applicable to HDMI.
- 2** Excellent ESD suppressing effect. (ESD test method: IEC61000-4-2 Contact discharge 5kV)
- 3** Excellent solderability and superior heat resistance due to plated Electrode (Ni/Sn).

• Number of industrial property rights: 3(Pending)

• Construction:



Type	L	W	T	L1
0402	1.00 ± 0.05	0.50 ± 0.05	0.50 ± 0.05	0.2 ± 0.1
0603	1.6 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	0.3 ± 0.2

[mm]

• Characteristics/specifications:

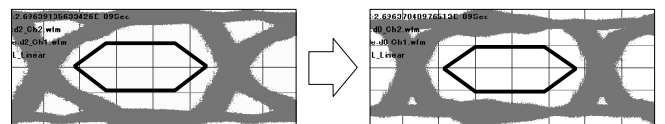
Part No.	Type	Maximum Allowable Voltage [DC]	Varistor Voltage @ 1mA	Capacitance @ 1MHz	Maximum ESD IEC61000-4-2 [Contact discharge]
EZJZ0V80010	0402	DC5V	80V	1.0pFmax.	5kV
EZJZ1V80010	0603	DC5V	80V	1.0pFmax.	5kV

HDMI Compliance Test

HDMI eye diagram

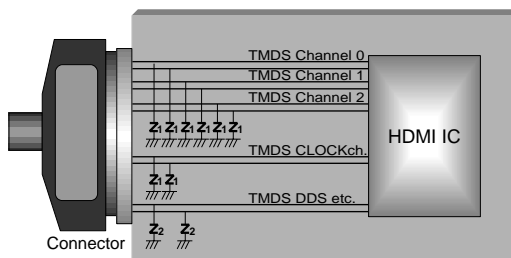
Low Cap. Zener diode [C:3pFmax.]

Varistor P/N: EZJZ0V80010 [C:1pFmax.]



• Applications/usage examples:

- Suitable for the measure against ESD of HDMI interface that is next generation AV interface.



Z1: EZJZ□V80010 [1pFmax.] Z2: EZJZ□V800AA [3pFmax.]

• Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10	11	12
E	Z	J	Z	0	V	8	0	0	1	0	
Product Code			Type Code	Shape Code	Nominal Varistor Voltage			Capacitance Code	Design Code		
					Packaging Code						
					0 : EIA0402 / 1 : EIA0603						