



OEG

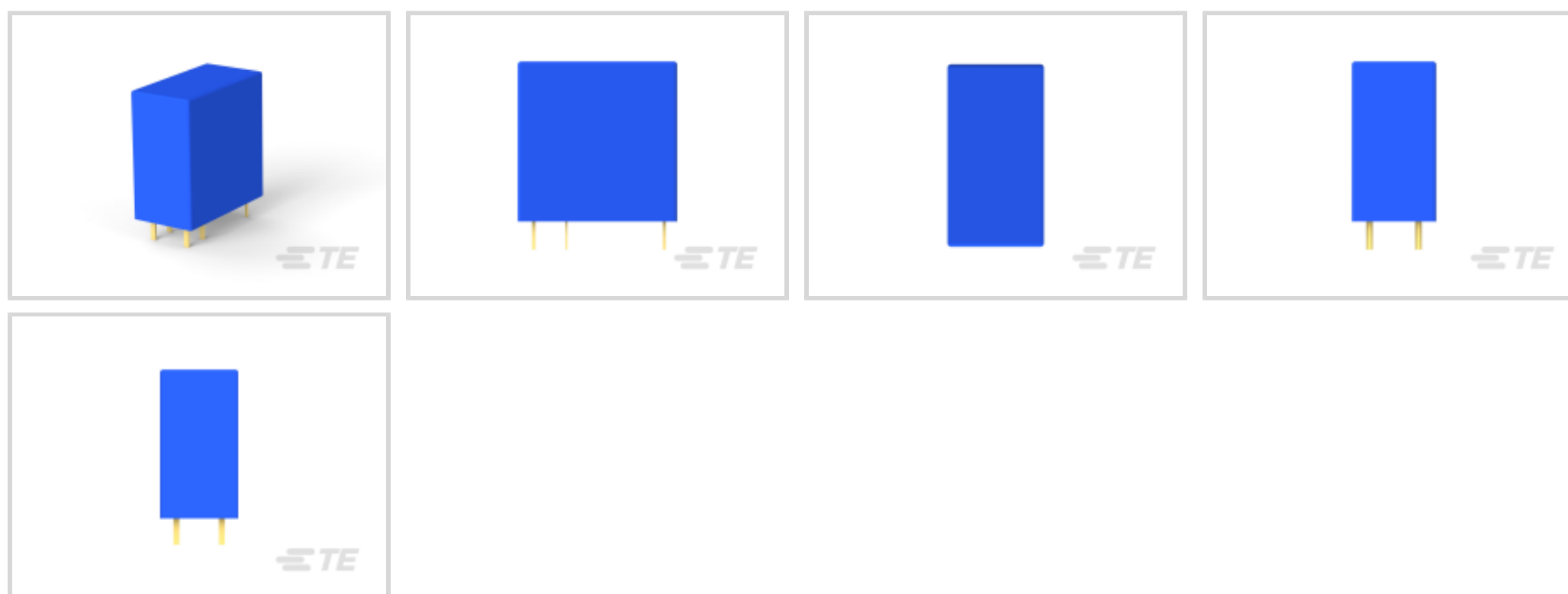
TE Internal #: 5-1419124-7

TE Internal Description: OSA-SS-212DM5,000

STD OEG PCB OMI/OMIH Power Relays

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Power Relays > STD OEG PCB OMI/OMIH Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **500 – 600 mW**

Coil Power Rating DC: **540 mW**

Coil Resistance: **270 Ω**

[All STD OEG PCB OMI/OMIH Power Relays \(0\)](#)

**Features**

**Product Type Features**

Power Relay Type	Standard
------------------	----------

**Electrical Characteristics**

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	5 A
Contact Limiting Short-Time Current	5 A
Contact Limiting Continuous Current	5 A
Insulation Creepage Class	5.5 – 8 mm
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Initial Resistance	1000 MΩ
Insulation Creepage Between Contact & Coil	7 mm[.276 in]
Contact Limiting Breaking Current	5 A

Coil Magnetic System	Monostable, DC
----------------------	----------------

Coil Power Rating Class	500 – 600 mW
-------------------------	--------------

Coil Power Rating DC	540 mW
----------------------	--------

Coil Resistance	270 $\Omega$
-----------------	--------------

Coil Special Features	UL Coil Insulation Class A
-----------------------	----------------------------

Coil Voltage Rating	12 VDC
---------------------	--------

Contact Switching Load (Min)	100mA @ 5V
------------------------------	------------

Contact Switching Voltage (Max)	30 VDC
---------------------------------	--------

Contact Voltage Rating	240 VAC
------------------------	---------

### Body Features

Insulation Special Features	7000V Initial Surge Withstand Voltage between Contacts & Coil
-----------------------------	---

Product Weight	13 g[.459 oz]
----------------	---------------

### Contact Features

Contact Arrangement	2 Form A (NO)
---------------------	---------------

Contact Current Class	2 – 5 A, 16 A
-----------------------	---------------

Contact Current Rating (Max)	5 A
------------------------------	-----

Contact Material	AgSnO
------------------	-------

Contact Number of Poles	2
-------------------------	---

Relay Terminal Type	PCB-THT
---------------------	---------

### Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
---------------------	-----------------------

### Dimensions

Length Class (Mechanical)	20 – 25 mm
---------------------------	------------

Insulation Clearance Class	5 – 8 mm
----------------------------	----------

Height Class (Mechanical)	20 – 25 mm
---------------------------	------------

Insulation Clearance Between Contact & Coil	7 mm[.276 in]
---	---------------

Width Class (Mechanical)	12 – 16 mm
--------------------------	------------

Product Width	12.9 mm[.508 in]
---------------	------------------

Product Length	24.4 mm[.961 in]
----------------	------------------

Product Height	24.8 mm[.976 in]
----------------	------------------

### Usage Conditions

Environmental Ambient Temperature Class	50 – 70 °C
---	------------

Environmental Ambient Temperature (Max)

60 °C[140 °F]

### Packaging Features

Packaging Method

Bundle

### Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU

Compliant

EU ELV Directive 2000/53/EC

Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)  
 Candidate List Declared Against: JUN 2020 (209)  
 Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Wave solder capable to 265°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



### Documents



### Product Drawings

[OSA-SS-212DM5,000](#)

English

---

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1419124-7\\_G\\_c-5-1419124-7-g.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1419124-7\\_G\\_c-5-1419124-7-g.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1419124-7\\_G\\_c-5-1419124-7-g.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

---

### Datasheets & Catalog Pages

[OSA Series Relay Data Sheet English](#)

English

---

### Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

[OSA-SS-212DM5,000 400 600 Spec Sheet](#)

Japanese