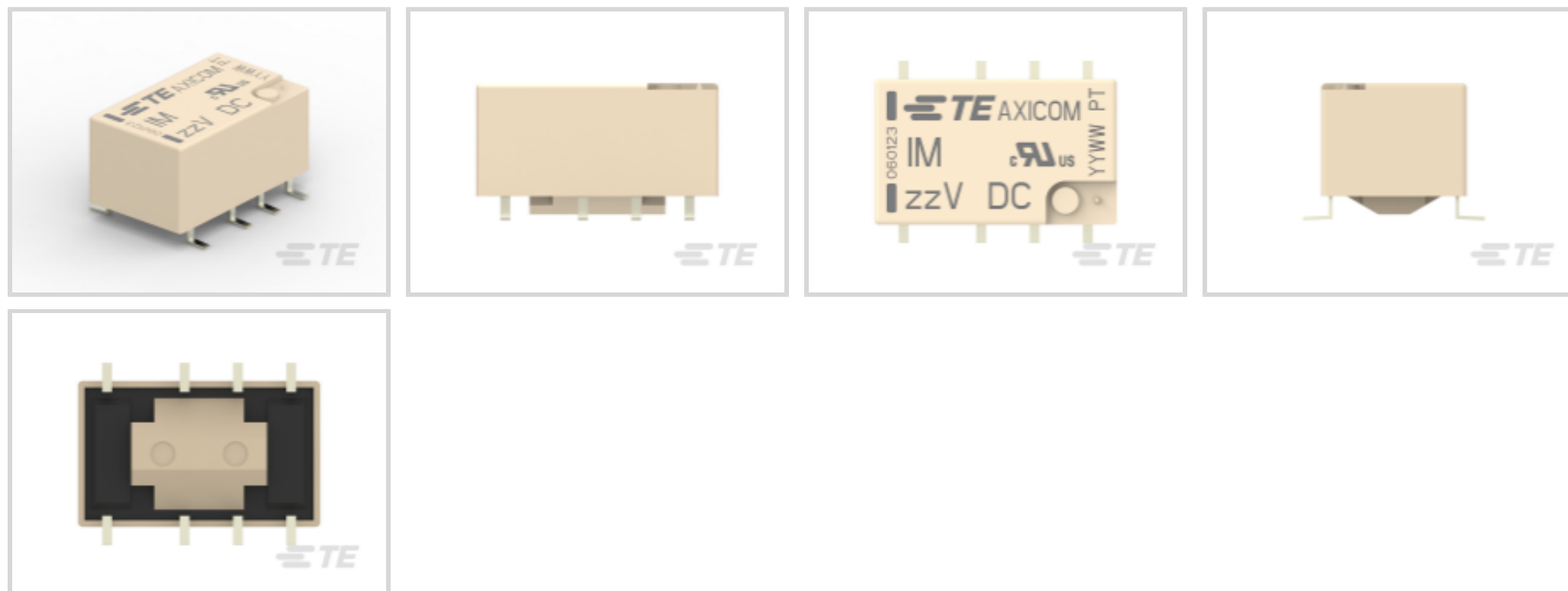




Relays, Contactors & Switches > Relays > Signal Relays > IM STANDARD (2 FORM C, 2CO CONTACTS)



Contact Voltage Rating: **250 VAC**

Coil Power Rating (DC): **140 mW**

Isolation (HF Parameter): **-18.8dB @ 900MHz, -37dB @ 100MHz**

Insertion Loss (HF Parameter): **-.03dB @ 100MHz, -.33dB @ 900MHz**

[All IM STANDARD \(2 FORM C, 2CO CONTACTS\) \(73\)](#)

Features

Product Type Features

| | |
|--------------|----------|
| Relay Type | IM Relay |
| Product Type | Relay |

Electrical Characteristics

| | |
|--|------------------------------|
| Coil Power Rating Class | 50 – 300 mW |
| Actuating System | DC |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Limiting Short-Time Current | 2 A |
| Insulation Initial Dielectric Between Contacts and Coil | 1800 Vrms |
| Insulation Initial Dielectric Between Coil/Contact Class | 1500 V – 2500 VA |
| Voltage Standing Wave Ration (HF Parameter) | 1.06 @ 100MHz, 1.49 @ 900Mhz |
| Insulation Initial Dielectric Between Adjacent Contacts | 1000 Vrms |
| Insulation Initial Resistance | 1000000 MΩ |
| Contact Limiting Making Current | 2 A |
| Coil Resistance | 145 Ω |

| | |
|-------------------------------------|---------------------------|
| Contact Limiting Continuous Current | 2 A |
| Coil Type | Monostable |
| Contact Limiting Breaking Current | 2 A |
| Contact Switching Load (Min) | .1mA @ .0001V |
| Contact Voltage Rating | 250 VAC |
| Coil Power Rating (DC) | 140 mW |
| Coil Voltage Rating | 4.5 VDC |
| Contact Switching Voltage (Max) | 220 VDC |
| Coil Magnetic System | Monostable, DC, Polarized |

Signal Characteristics

| | |
|-------------------------------|----------------------------------|
| Isolation (HF Parameter) | -18.8dB @ 900MHz, -37dB @ 100MHz |
| Insertion Loss (HF Parameter) | -.03dB @ 100MHz, -.33dB @ 900MHz |

Body Features

| | |
|-----------------------------|---|
| Insulation Special Features | 2500V Initial Surge Withstand Voltage between Contacts & Coil |
| Weight | .75 g[.026 oz] |

Contact Features

| | |
|--------------------------|--------------------------|
| Contact Plating Material | Gold |
| Contact Current Class | 0 – 2 A |
| Contact Special Features | Bifurcated/Twin Contacts |
| Terminal Type | PCB-SMT |
| Contact Current Rating | 2 A |
| Contact Arrangement | 2 Form C (2 CO) |
| Contact Material | PdRu+Au |
| Contact Number of Poles | 2 |

Termination Features

| | |
|------------------|---------------|
| Termination Type | Surface Mount |
|------------------|---------------|

Mechanical Attachment

| | |
|---------------|-----------------------|
| Mounting Type | Printed Circuit Board |
|---------------|-----------------------|

Dimensions

| | |
|--------------------------|---------------|
| Width Class (Mechanical) | 0 – 6 mm |
| Width | 6 mm[.222 in] |



| | |
|--------------------------------------|---|
| Height | 5.65 mm[.221 in] |
| Length Class (Mechanical) | 0 – 10 mm |
| Length | 10 mm[.393 in] |
| Height Class (Mechanical) | 0 – 6 mm |
| Dimensions (L x W x H) (Approximate) | 10 x 6 x 5.65 mm[.393 x .236 x .222 in] |

Usage Conditions

| | |
|---|--------------------------|
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |
| Environmental Ambient Temperature Class | 70 – 85°C |
| Environmental Category of Protection | RTV |
| Operating Temperature Range | -40 – 85 °C, -40 – 85 °C |

Operation/Application

| | |
|------------------|----------|
| Performance Type | Standard |
|------------------|----------|

Packaging Features

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Other

| | |
|---------------------|-----------|
| Additional Features | Gull Wing |
|---------------------|-----------|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

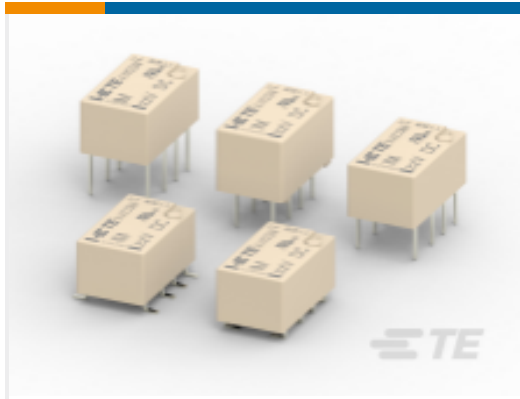
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Reflow solder capable to 260°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



TE Model / Part # CAT-AX41-IM11B
IM STANDARD (2 FORM C, 2CO CONTACTS)



TE Model / Part # 9-1462038-8
IM02DGR=IM RELAY 140MW 4.5V

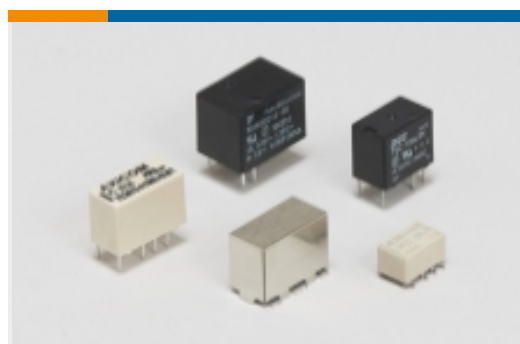


TE Model / Part # 8-1462039-1
IM02GR(EMEA)=IM RELAY 140MW 4.5 V

Also in the Series | Axicom IM



RJ45 Connectors(2)

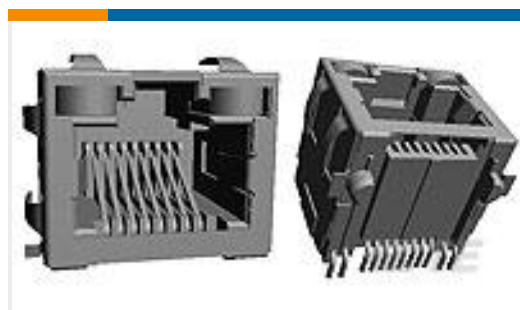


Signal Relays(122)

Customers Also Bought



TE Model / Part #5787617-1
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Model / Part #6339160-1
MJ,RJ45,SMT,SHLD,PANEL GRD



TE Model / Part #1734035-1
MINI USB, TYPE B, R/A, SMT



TE Model / Part #1241050-3
2x3P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Model / Part #1571983-4
GDH04S04=DIP SWITCH



Documents

Product Drawings

[IM02GR=IM RELAY 140 MW 4.5 V](#)

English

[IM02GR=IM RELAY 140 MW 4.5 V](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1462037-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1462037-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1462037-2_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Axicom Signal and High Frequency Relays \(RF Switches\) APPLICATION NOTE #2](#)

English

[Lighting Relays Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

English

[IM Relay Datasheet](#)

English

Product Specifications

[Definitions Relays](#)

English