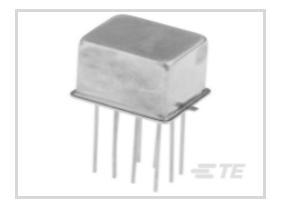
# JMGAT-5L 🗸 ACTIVE

## CII

TE Internal #: 5-1617350-6 TO-5/.100 Grid Relays, 2 Form C, DPDT, 2 C/O, 5 VDC Input, Coil Suppression Diode, MOSFET Driver, 1 A, 5 VDC Coil Voltage, 39  $\Omega$ Coil Resistance

### View on TE.com >

Relays, Contactors & Switches > Relays > Mil-Aero Relays > TO-5/.100 Grid Relays



TO-5/.100 Grid Relay Contact Arrangement: **2 Form C, DPDT, 2 C/O** 

TO-5/.100 Grid Relay Input Voltage: 5 VDC

Coil Suppression Diode: With

MOSFET Driver: With

Transistor Driver: Without

## Features

## **Product Type Features**

Enclosure TypeHermetically SealedRelay TypeMilitary/Aerospace High PerformanceProduct TypeRelayMOSFET DriverWithConfiguration FeaturesWithoutTransistor DriverWithoutElectrical CharacteristicsNon-Polarized, MonostableCoil Magnetic SystemNon-Polarized, MonostableNotationSocial's (Social Management)ShockSocial SystemCoil Power MeasurementMiliwattsCoil Power MeasurementSi DCCoil System DriodeSi DCCoil VoltageSi DCCoil YotageSi DCCoil Yotage Coil ResistanceSi DCCoil Yotage Coil Power Rating (DC)Get I mW		
Product TypeRelayProduct TypeRelayMOSFET DriverWithConfiguration FeaturesWithoutTransistor DriverWithoutCoil Magnetic SystemNon-Polarized, MonostableVibration3G's, 10 – 3000HzVibrationSG's, 6msShock7G's, 6msCoil Power MeasurementMilliwattsTo-57.100 Grid Relay Input VoltageS VDCCoil VoltageS VDCCoil VoltageS VDCTo-57.100 Grid Relay Long LessenceS VDC	Enclosure Type	Hermetically Sealed
MOSFET Driver With Configuration Features Without Transistor Driver Without Celtrical Characteristics Non-Polarized, Monostable Coil Magnetic System Non-Polarized, Monostable Vibration 30G's, 10 – 3000Hz Actuating System Dick Shock Dick Shock Since Shock Sin	Relay Type	Military/Aerospace High Performance
Configuration FeaturesTransistor DriverWithoutFactrical CharacteristicsCoil Magnetic SystemNon-Polarized, MonostableVibrationSoG's, 10 – 3000HzActuating SystemDCShockSG's, 6msCoil Power MeasurementMiliwattsTo-5/100 Grid Relay Input VoltageS vDCCoil Suppression DiodeSVDCCoil VoltageS vDCTo-5/100 Grid Relay Input SystemS vDCCoil VoltageS vDC	Product Type	Relay
Transistor DriverWithoutFransistor DriverWithoutElectrical CharacteristicsColl Magnetic SystemNon-Polarized, MonostableVibration30G's, 10 – 3000HzActuating SystemDCShockDCColl Power MeasurementMiliwattsTo-5/.100 Grid Relay Input VoltageSVDCCoil Suppression DiodeWithCoil VoltageSVDCTo-5/.100 Grid Relay Coll ResistanceSVDC	MOSFET Driver	With
Electrical CharacteristicsCoil Magnetic SystemNon-Polarized, MonostableVibration30G's, 10 – 3000HzActuating SystemDCShock75G's, 6msCoil Power MeasurementMiliwattsTO-5/.100 Grid Relay Input VoltageS VDCCoil Suppression DiodeSVDCCoil VoltageS VDCTO-5/.100 Grid Relay Coil ResistanceS VDC	Configuration Features	
Coil Magnetic SystemNon-Polarized, MonostableVibration30G's, 10 – 3000HzActuating SystemDCShock75G's, 6msCoil Power MeasurementMiliwattsTO-5/.100 Grid Relay Input VoltageS VDCCoil Suppression DiodeWithCoil VoltageS JDCTO-5/.100 Grid Relay Coil ResistanceS JDC	Transistor Driver	Without
Yibration30G's, 10 – 3000HzActuating SystemDCShock75G's, 6msCoil Power MeasurementMilliwattsTO-5/.100 Grid Relay Input VoltageS VDCCoil Suppression DiodeWithCoil VoltageS VDCTO-5/.100 Grid Relay Coil ResistanceS Q	Electrical Characteristics	
Actuating SystemDCShock5G's 6msCoil Power MeasurementMiliwattsTO-57.100 Grid Relay Input Voltage5 VDCCoil Suppression DiodeWithCoil Voltage5 VDCTO-57.100 Grid Relay Coil Relay Coil Measurement5 VDC	Coil Magnetic System	Non-Polarized, Monostable
Shock75G's, 6msCoil Power MeasurementMiliwattsTO-5/.100 Grid Relay Input Voltage5 VDCCoil Suppression DiodeWithCoil Voltage5 VDCTO-5/.100 Grid Relay Coil Resistance39 Ω	Vibration	30G's, 10 – 3000Hz
Coil Power Measurement   Miliwatts     TO-5/.100 Grid Relay Input Voltage   5 VDC     Coil Suppression Diode   With     Coil Voltage   5 VDC     TO-5/.100 Grid Relay Input Voltage   9 VDC	Actuating System	DC
TO-5/.100 Grid Relay Input Voltage 5 VDC   Coil Suppression Diode With   Coil Voltage 5 VDC   TO-5/.100 Grid Relay Coil Resistance 39 Ω	Shock	75G's, 6ms
Coil Suppression DiodeWithCoil Voltage5 VDCTO-5/.100 Grid Relay Coil Resistance39 Ω	Coil Power Measurement	Milliwatts
Coil Voltage5 VDCTO-5/.100 Grid Relay Coil Resistance39 Ω	TO-5/.100 Grid Relay Input Voltage	5 VDC
TO-5/.100 Grid Relay Coil Resistance 39 Ω	Coil Suppression Diode	With
	Coil Voltage	5 VDC
TO-5/.100 Grid Relay Coil Power Rating (DC) 641 mW	TO-5/.100 Grid Relay Coil Resistance	39 Ω
	TO-5/.100 Grid Relay Coil Power Rating (DC)	641 mW



## JMGAT-5L

TO-5/.100 Grid Relays, 2 Form C, DPDT, 2 C/O, 5 VDC Input, Coil Suppression Diode, MOSFET Driver, 1 A, 5 VDC Coil Voltage, 39  $\Omega$  Coil Resistance



Coil Polarity Protection Diode	Without
Contact Features	
Contact Current Class	Low Level – 1 A
TO-5/.100 Grid Relay Contact Arrangement	2 Form C, DPDT, 2 C/O
TO-5/.100 Grid Relay Contact Current Rating	1 A
Termination Features	
Termination Type	Long Leads
Mechanical Attachment	
TO-5/.100 Grid Relay Mounting Type	Printed Circuit Board
Usage Conditions	
Operating Temperature Range	-65 – 125 °C
Product Compliance For compliance documentation, visit the product page on TE.com>	
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

EU REACH Regulation (EC) No. 1907/2006

Restricted Materials Above Threshold

Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed

Halogen Content

Not Yet Reviewed for halogen content

Solder Process Capability

Not lead free process capable

#### 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the

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TO-5/.100 Grid Relays, 2 Form C, DPDT, 2 C/O, 5 VDC Input, Coil Suppression Diode, MOSFET Driver, 1 A, 5 VDC Coil Voltage, 39  $\Omega$  Coil Resistance



product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

# Compatible Parts



## Documents

### **CAD** Files

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5-1617350-6\_O.2d\_dxf.zip

English

**Customer View Model** ENG\_CVM\_CVM\_5-1617350-6\_O.3d\_igs.zip

English

**Customer View Model** ENG\_CVM\_CVM\_5-1617350-6\_O.3d\_stp.zip

English

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Datasheets & Catalog Pages 5-1773450-5\_sec1\_MGAT

English