TECHNICAL DATA

THE PS5019MK01 NMEA-0183 TO ARINC-429 CONVERTER MODULE IS A 28VDC POWERED RUGGEDIZED PROTOCOL CONVERTER, COMPRISING OF 1 RS-232 INPUT CHANNEL, 1 RS-422 INPUT CHANNEL AND 1 ARINC-429 OUTPUT CHANNEL.

THE PS5019MK01 PROVIDES AN ARINC-429 BUS LIST ASSEMBLED FROM THE GGA AND RMC SENTENCES RECEIVED ON THE NMEA-0183 INPUT STREAM.

THE "MK01" PART NUMBER SUFFIX DEFINES THE CUSTOMER SPECIFIC CONFIGURATION OPTIONS, SUCH AS RADIUS RATE, PARAMETER MAPPING AND NMEA SOURCE DATA INTERFACE TYPE (RS-232 OR RS-422).

PLEASE SEE SHEET 2 FOR FULL DETAILS.

GENERAL SPECIFICATION

POWER REQUIREMENTS: +28V POWERED (2W MAX)
WEIGHT: 0.200 kg MAX
TEMPERATURE:
OPERATING TEMPERATURE: -45 TO +70 DEGREES C
STORAGE TEMPERATURE: -55 TO +85 DEGREES C

PRODUCT SPECIFICATION

PS5019MK01-PS-E1

INTERFACE CONTROL DOCUMENT (ICD)

PS5019MK01-ICD-E1

SOFTWARE

SOFTWARE DEVELOPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF DO-178B LEVEL E

COOLING

FREE AIR CONVECTION

PRODUCT REVISION IDENTIFICATION

THE PRODUCT FOR WHICH THIS DOCUMENT RELATES SHALL BE IDENTIFIED WITH THE MAJOR REVISION NUMBER ONLY.

FOR EXAMPLE

DOCUMENT REVISION 2.03 REFERS TO PRODUCT REVISION 2

MINOR REVISIONS ARE RESERVED FOR DOCUMENTATION UPDATES THAT DO NOT AFFECT FORM, FIT OR FUNCTION OF THE PRODUCT.

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AVIONIC ELECTRONICS

NMEA-0183 TO ARINC-429 CONVERTER MODULE

PS5019MK01 SHEET 1 OF 2

SCALE 1:1

CM25 MM