

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

TO
PCK

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
RATING VOLTAGE	-55 °C TO 85 °C <sup>(1)</sup>	OPERATING HUMIDITY RANGE	-10 °C TO 60 °C <sup>(2)</sup>
CURRENT	125 V AC	STORAGE HUMIDITY RANGE	40 % TO 80 %
	0.5 A		40 % TO 70 % <sup>(2)</sup>

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING. X X

MARKING CONFIRMED VISUALLY. X X

**ELECTRICAL CHARACTERISTICS**

CONTACT RESISTANCE 100 mA (DC OR 1000 Hz). 45 mΩ MAX. X

CONTACT RESISTANCE 20 mV MAX, 1 mA(DC OR 1000Hz) 55 mΩ MAX. X

MILLIVOLT LEVEL METHOD 250 V DC. 100 MΩ MIN. X

INSULATION RESISTANCE 250 V DC. 100 MΩ MIN. X

VOLTAGE PROOF 300 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN. X

**MECHANICAL CHARACTERISTICS**

MECHANICAL OPERATION 500 TIMES INSERTIONS AND EXTRACTATIONS. ① CONTACT RESISTANCE: 55 mΩ MAX. X

VIBRATION FREQUENCY 10 TO 55 Hz, AMPLITUDE: 1.52 mm, AT 2 h FOR 3 DIRECTION. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X

SHOCK 490 m/s<sup>2</sup>, DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. ① NO ELECTRICAL DISCONTINUITY OF PARTS. X

ENVIRONMENTAL CHARACTERISTICS ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X

DAMP HEAT (STEADY STATE) EXPOSED AT 40±2 °C, 90 ~ 95%, 96 h. ① CONTACT RESISTANCE: 55 mΩ MAX. X

RAPID CHANGE OF TEMPERATURE TEMPERATURE: -55→+15→+35→+85→+15→+35°C TIME 30 → 10~15 → 30 → 10~15 min ② INSULATION RESISTANCE: 100 MΩ MIN. X

CORROSION SALT MIST UNDER 5 CYCLES. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X

CORROSION SALT MIST EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. ① CONTACT RESISTANCE: 55 mΩ MAX. X

HYDROGEN SULPHIDE EXPOSED IN 3 PPM FOR 96 h. ② NO HEAVY CORROSION. X

RESISTANCE TO SOLDERING HEAT (TEST STANDARD: JEIDA-38) ③ NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. X

SOLDERABILITY 1) SOLDER BATH/SOLDER TEMPERATURE, 260±5°C FOR IMMERSION DURATION, 10±1s. X

SOLDERABILITY 2) SOLDERING IRONS : 360°C FOR 5 s. X

SOLDERABILITY SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 2s. X

SOLDERABILITY A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD. X

**REMARKS**

1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED.

2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.

Unless otherwise specified, refer to MIL-STD-1344.

Note QT: Qualification Test AT: Assurance Test X: Applicable Test

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED. 2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.	I.OKAYAMA	K.NAKAMURA	<i>H. Okawa</i>	<i>H. Okawa</i>	
Unless otherwise specified, refer to MIL-STD-1344.	04.06.09	04.06.09	04.06.09	04.06.09	

CODE NO.(OLD)	DRAWING NO.	SPECIFICATION SHEET	PART NO.
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			CL 572
			FORM No.231-1

