

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

APPLICABLE STANDARD			
OPERATING TEMPERATURE RANGE	-35°C TO +85°C(NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C(NOTES 3)
OPERATING HUMIDITY RANGE	20% TO 80%(NOTES 2)	STORAGE HUMIDITY RANGE	40% TO 70%(NOTES 2)(NOTES 3)
VOLTAGE	50V AC / DC	APPLICABLE CONNECTOR	DF80※-50S-0.5V(##)
CURRENT	0.5 A/PIV (NOTE4)	APPLICABLE CABLE	THIN COAXIAL CABLE (AWG#40~AWG#46) / DISCRETE CABLE (AWG#32~36)
SPECIFICATIONS			
ITEM	TEST METHOD	REQUIREMENTS	Q1 AT
CONSTRUCTION		ACCORDING TO DRAWING.	X X
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		X X
MARKING	CONFIRMED VISUALLY.		X X
ENVIRONMENTAL CHARACTERISTICS			
SULFUR DIOXIDE GAS	EXPOSED IN 25PPM , 25°C , 75%RH , 96h.	NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.	X -
RESISTANCE TO SOLDERING HEAT	①BONDING TEMPERATURE: 270°C MAX :5 sec MAX 200°C MIN :30 sec MAX ②MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X -
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 5 sec. (Sn-3.0Ag-0.5Cu)	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	X -
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED DATE
△			
REMARKS			
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			
NOTE2: NON CONDENSING			
NOTE3: THE TERM "STORAGE" REFERS TO PRODUCTS STORED FOR A LONG PERIOD PRIOR TO MOUNTING AND USE. THE OPERATING TEMPERATURE AND HUMIDITY RANGE COVERS THE NON-CONDUCTING CONDITION OF CONNECTORS AFTER BOARD MOUNTING AND THE TEMPORARY STORAGE CONDITIONS OF TRANSPORTATION, etc			
NOTE4: TEMPERATURE RISE OF CONNECTOR BODY ONLY, AND THAT OF CASE IS NOT INCLUDED.			
Unless otherwise specified, refer to JIS C 5402, IEC60512			
Note	Q1: Qualification Test AT: Assurance Test X: Applicable Test	DRAWING NO.	ELC4-338301-02
HRS	SPECIFICATION SHEET	PART NO.	DF80-50P-SHL (52)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL662-8009-4-52
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