

APPLICABLE STANDARD		SPECIFICATIONS									
RATING	OPERATING TEMPERATURE RANGE	-40°C TO + 85°C (NOTE 1) 		STORAGE TEMPERATURE RANGE		-10°C TO + 60°C (NOTE 2)					
	OPERATING HUMIDITY RANGE	40% TO + 80%		STORAGE HUMIDITY RANGE		40% TO + 70% (NOTE 2)					
	VOLTAGE	250V AC		UL・CSA RATING	VOLTAGE	30V AC					
	CURRENT	AWG 22 TO 26 : 2A			CURRENT	AWG 22 : 2A AWG 24 TO 28 : 1A AWG 30 : 0.5A					
CONSTRUCTION											
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
MARKING	CONFIRMED VISUALLY.					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
ELECTRIC CHARACTERISTICS											
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).		30mΩ MAX.			<input checked="" type="checkbox"/>	—				
INSULATION RESISTANCE	500V DC.		1000MΩ MIN.			<input checked="" type="checkbox"/>	—				
VOLTAGE PROOF	650V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			<input checked="" type="checkbox"/>	—				
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input checked="" type="checkbox"/>	—				
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input checked="" type="checkbox"/>	—				
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input checked="" type="checkbox"/>	—				
ENVIRONMENTAL CHARACTERISTICS											
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→5 TO 35→+85 →5 TO 35 °C TIME 30→5 TO 15 →30 →5 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input checked="" type="checkbox"/>	—				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input checked="" type="checkbox"/>	—				
COUNT		DESCRIPTION OF REVISIONS		DESIGNED		CHECKED					
	1	DIS-H-008540		MI. SAKIMURA		HK. UMEHARA					
				APPROVED	TY. OMA		06. 04. 06				
				CHECKED	HK. UMEHARA		06. 04. 06				
				DESIGNED	NS. HIROSE		06. 04. 06				
				DRAWN	AK. MIURA		06. 02. 22				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-307176-02					
	SPECIFICATION SHEET			PART NO.	DF11CZ-*DP-2V (27)						
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL543		 1/2				

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
RESISTANCE TO SOLDERING HEAT	<p>1) AUTOMATIC SOLDERING (REFLOW) 『REFLOW AREA』 MAX 250°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec. 『PREHEATING AREA』 150 TO 180°C 90 TO 120 sec. PUT THROUGH IN REFLOW FUMACE TWICE. FEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNEVCTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW.</p> <p>2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :290±10°C, SOLDERING TIME :3s. NO STRENGTH ON CONTACT.</p>	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR IN IMMERSION , DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—
REMARKS				
<p>NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.</p> <p>NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD , AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.</p> <p>NOTE 3:THE TEMPERATURE PROFILE SHALL BE APPLIED WITHIN 168 HOURS AFTER OPENING MOISTURE-PROOF PACKAGING. WHEN 168 HOURS PASSED AFTER OPENING , APPLY THE BOTTOM REQUIREMENTS.</p> <p>『REFLOW AREA』 MAX 240°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec.</p> <p>『PREHEATING AREA』 150 TO 180°C 90 TO 120 s.</p>				
Unless otherwise specified , refer to IEC 60512.				
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