


In case of consideration for using Autom otive equipm ent/device which dem and high reliability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE		
OPERATING TEMPERATURE RANGE	-40 °C TO +90°C(90%RH MAX)	TEMPERATURE RANGE	-20°C TO +70°C(90%RH MAX)	
POWER	-W	CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 6 GHz)	
PECULIARITY	---	RECEPTACLES	X:FL-R-SMT-1	
SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION		ACCORDING TO DRAWING.	X	X
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			
MARKING	CONFIRMED VISUALLY.		-	-
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 25 mΩ MAX. OUTER CONTACT 10 mΩ MAX.	X	-
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	X	-
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	-
VOLTAGE STANDING	FREQUENCY 0.045 TO 3 GHz.	VSWR 1.3 MAX.	X	-
WAVE RATIO	2> FREQUENCY 3 TO 6 GHz.	VSWR 1.5 MAX.	X	-
INSERTION LOSS	FREQUENCY ----- TO ----- GHz	----- dB MAX.	-	-
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	φ 0.34±0.002 BY STEEL GAUGE.	INSERTION FORCE ----- N MAX. EXTRACTION FORCE 0.1 N MIN.	X	-
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 30 N MAX. EXTRACTION FORCE 3N TO 20N	X	-
MECHANICAL OPERATION	20 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 30 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s <sup>2</sup> AT 5 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK	735 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	-
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.	1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	-	-
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT	EXPOSED AT 40 °C, 95 % TOTAL 96 h	1) INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5-35 → +90 → 5-35°C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				
REMARK		ROHS COMPLIANT Notes 1. The quantity of this product is 10000 connectors per reel. 2> VSWR was mounted to a 50Ω glass epoxy board and measurements were conducted with SMA conversion adapters attached. Unless otherwise specified, refer to JIS C 5402.		
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-341481-80	
 SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.		PART NO.	X. FL-PR-SMT1-2 (80)	
		CODE NO.	CL331-0713-7-80	0