

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +90°C (95%RH MAX)		STORAGE TEMPERATURE RANGE	-40°C TO +90°C (95%RH MAX)		
	POWER	3 W (AT 2 GHz)		CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 2 GHz)		
	PECULIARITY	—		APPLICABLE CABLE	—		
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		×	×
MARKING		CONFIRMED VISUALLY.				—	—
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz).	CENTER CONTACT		20 mΩ MAX.	×	×	
		OUTER CONTACT		10 mΩ MAX.	×	×	
INSULATION RESISTANCE	100 V DC.			500 MΩ MIN.	×	×	
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.	×	×	
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 2 GHz			VSWR 1.3 MAX.	×	—	
INSERTION LOSS	FREQUENCY 0.045 TO 2 GHz			0.1 dB MAX.	×	—	
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE		N MAX.	—	—	
		EXTRACTION FORCE		N MIN.	—	—	
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE		40 N MAX.	×	—	
		EXTRACTION FORCE		3 ~ 20 N.	×	—	
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 25 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—	
VIBRATION	FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s ² AT 1 h FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—	
SHOCK	735 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.				×	—	
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.			×	—	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5~35 → +90 → 5~35 °C TIME 30 → — → 30 → — min UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.			×	—	
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
0							
REMARK RoHS COMPLIANT			APPROVED	I.J.MITANI	06.06.05		
			CHECKED	KY.SHIMIZU	06.06.05		
			DESIGNED	TO.KATAYAMA	06.06.02		
			DRAWN	YK.SUGIYAMA	06.06.01		
Unless otherwise specified, refer to JIS C 5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-131127-01		
HRS	SPECIFICATION SHEET		PART NO.	E. FL-LR-SMT (01)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL331-0422-4-01	△	1/1	