

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-40℃ ~ +90℃ (90%RH MAX.)	STORAGE TEMPERATURE RANGE	-20℃ ~ +70℃ (90%RH MAX.)
	POWER	-W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 8GHz)
	PECULIARITY	-	RECEPTACLES	K.FL2-R-SMT-1

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.		-	-

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE	10mA MAX (DC OR 1000Hz).	CENTER CONTACT 25 mΩ MAX.	X	-
		OUTER CONTACT 10 mΩ MAX.	X	
INSULATION RESISTANCE	100V DC.	500 MΩ MIN.	X	-
VOLTAGE PROOF	200V AC FOR 1min. CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	-
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 3GHz.	VSWR 1.3 MAX.	X	-
	FREQUENCY 3 TO 6GHz.	VSWR 1.5 MAX.		
	FREQUENCY 6 TO 8GHz.	VSWR 1.6 MAX.		
INSERTION LOSS	FREQUENCY --- TO --- GHz.	---dB MAX	-	-

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 30 N MAX.	X	-
		EXTRACTION FORCE 4 TO 25 N.	X	-
MECHANICAL OPERATION	20TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 30 mΩ MAX. OUTER CONTACT 15 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s ² AT 5 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1us. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK	735m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	-

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT	EXPOSED AT 40℃, 95 % TOTAL 96h.	1) INSULATION RESISTANCE : 10 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE : 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
RAPID CHAGE OF TEMPERATURE	TEMPERATURE : -40 → 5-35- → +90 → 5-35 °C TIME : 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.	NO HEAVY CORROSION.	X	-

REMARKS CONDITIONS FOR TESTING

<div>1</div> VSWR was mounted to a 50Ω glass eoixy board and measurements were conduted with SMA conversion adapters attached. UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	AHN 19.07.03 W.Y	AHN 19.07.03 W.Y	KIM 19.07.03 H.S	KIM 19.07.03 H.S	ENG 19.07.03 DEPT

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST

HIROSE KOREA CO.,LTD.	REFERENCE SPECIFICATION SHEET	PART NO. K.FL2-PR-SMT09(800)
CODE NO.(OLD)	DRAWING NO. ELC4-632121-80	CODE NO. CL 6345-0056-0-800

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