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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
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	
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		1 → 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.			X	-	
			2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.							
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.					
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.			NO HEAVY CORROSION.			X	-	
REMARKS				CONDITIONS FOR TESTING		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
1) 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.						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				1		1