

Jun.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	POWER	0.25 W (AT 65°C)	CHARACTERISTIC IMPEDANCE	50 Ω (DC TO 18 GHz)	
	OPERATING RELATIVE HUMIDITY	95% MAX	USED CONNECTOR	△ HRM-P(SMA-P)	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS					
V.S.W.R.	MUST BE UNDER THE STD.VALUE AT FREQUENCY DC TO 4.0 GHz		MAXIMUM OF 1.08	X	X
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 4.0 TO 8.0 GHz		MAXIMUM OF 1.10		
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 8.0 TO 12.4 GHz		MAXIMUM OF 1.12		
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 12.4 TO 18.0 GHz		MAXIMUM OF 1.15		
RESISTANCE VALUE	MEASURE THE RESISTANCE VALUE AT DC1V.		48 TO 52 Ω	X	X
TEMPERATURE RISE	IMPRESSED THE POWER RATING(DC).		MAXIMUM OF 40°C	X	-
MECHANICAL CHARACTERISTICS					
VIBRATION	FREQUENCY 10 TO 2000 Hz, TOTAL AMPLITUDE 1.52 mm, 98 m/s ² AT 4 HOURS FOR 3 DIRECTIONS.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SHOCK	ACCELERATION : 490 m/s ² DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE △	TEMPERATURE -55 →15~35 →85 →15~35°C TIME 30 →2~3 → 30 →2~3 min TEST 5 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SALT ATMOSPHERE (CORROSION)	SALT SOLUTION CONCENTRATION 5% SALT WATER SPRAY FOR 48 HOURS.		NO CORROSION WHICH AFFECTS THE OPERATION OF COMPONENT.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
↕	2	DIS-D-00000558	YI. FUNADA	TO. KATAYAMA	15. 09. 29
REMARK (1) ROHS COMPLIANT (2)USE LEAD FREE SOLDER(Sn3.0Ag0.5Cu). Unless otherwise specified, refer to IEC 60512.			APPROVED	MT. SHIBUTANI	12. 03. 23
			CHECKED	KY. SHIMIZU	12. 03. 23
			DESIGNED	TK. SAWAGUCHI	12. 03. 22
			DRAWN	TK. SAWAGUCHI	12. 03. 22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-030173-01	
HRS	SPECIFICATION SHEET		PART NO.	HRM-603S (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL353-0062-8-50	△ 1/1