

Non-reflective Terminators (SMA Type)

HRM-TM Series



■ Features

1. High Performance

These super wide bandwidth/ultra high matching non-reflective terminators use Hirose Electric original high frequency matching technology.

2. Equipped with SMA Connectors

Use of SMA connectors (Hirose Electric HRM Series) which feature stainless steel for the exterior cladding make these couplers durable.

■ Product Specifications

Rating	Frequency range (NOTE) Characteristic impedance Maximum usable power (NOTE)	DC to 26.5 GHz 50Ω 0.25 to 10 W	Operating temperature range Operating relative humidity	-10°C to +65°C 95% or less
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NOTE: The frequency range and the maximum usable power will differ depending on the model.

Item	Standard	Conditions
1. Vibration resistance	No electrical disconnections of 1μs or greater No damage, cracks, or parts looseness	Frequency of 10 to 2000 Hz, overall amplitude of 1.52 mm, 98 m/s ² acceleration, in 3 axial directions, 2 hours each
2. Shock resistance	No electrical disconnections of 1μs or greater No damage, cracks, or parts looseness	490 m/s ² acceleration, half sine wave, in 3 axial directions, 3 times each
3. Temperature cycle	No damage, cracks, or parts looseness	(-55°C: 30 min. → 5 to 35°C: Within 15 min. → 80°C: 30 min. → 5 to 35°C: Within 15 min.) for 200 cycles

●The test method conforms to MIL-STD-202.

●Please see the specification items for details concerning the VSWR.

■ Materials

Part	Material	Processing
External cladding (NOTE)	Stainless steel	Nickel plating
Insulation	Teflon	—
Male contacts	Brass	Gold plating
Female contacts	Beryllium copper	Gold plating
External conductors	Brass	Nickel plating
Coupling (NOTE)	Stainless steel	Passivated
Radiator	Aluminum	Black alumite
Resistor	Metal film	—

NOTE: The external cladding and coupling of HRM-601, HRM-602, and HRM-603 have received gold plating processing.

Product Number Breakdown

HRM - 601 S

① ② ③

HRM - TM P - 5 - 2

① ② ③ ④ ⑤

① Connector type: HRM Series
② 600 to 699: Indicates a non-reflective terminator.
③ Coupling processing Blank: Gold plating S: Passivated A: Passivated (HRM-601S type without cap) D: Passivated (With connection leads)

① Connector type: HRM Series	④ Power (Example) 05: 0.5 W 2: 2 W
② TM: Indicates a non-reflective terminator.	
③ Connector form P: Plug type J: Jack type	⑤ Suffix

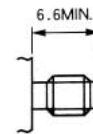
Specifications

Model No.	(GHz) Frequency Range	V.S.W.R.(Max)						(W) Power	Connectors	(g) Weight
		DC~2GHz	2~4GHz	4~8GHz	8~12.4GHz	12.4~18GHz	18~26.5GHz			
HRM-601 HRM-601S	DC~18	1.08		1.10	1.12	1.15	—	1/4	HRM-P	3
HRM-601A	DC~18	1.08		1.10	1.12	1.15	—	1/4	HRM-P	3
HRM-601A(02)	DC~26.5	1.08		1.10	1.12	1.15	1.20	1/4	HRM-P	3
HRM-601D	DC~18	1.08		1.10	1.12	1.15	—	1/4	HRM-P	3
HRM-602 HRM-602S	DC~18	1.08		1.15		1.35	—	1/4	HRM-J	4
HRM-603 HRM-603S	DC~18	1.08		1.10	1.12	1.15	—	1/4	HRM-P	5
HRM-TMP-05	DC~18	1.08		1.10	1.12	1.15	—	1/2	HRM-P	3
HRM-TMP-2	DC~18	1.10	1.15	1.20	1.25	1.25	—	2	HRM-P	11
HRM-TMP-3	DC~8	1.10	1.15	1.20	—	—	—	3	HRM-P	40
△ HRM-TMP-5-2	DC~18	1.20			1.30		—	5	HRM-P	42
HRM-TMP-6	DC~8	1.10	1.15	1.20	—	—	—	6	HRM-P	56
△ HRM-TMP-10-2	DC~18	1.20			1.30		—	10	HRM-P	82

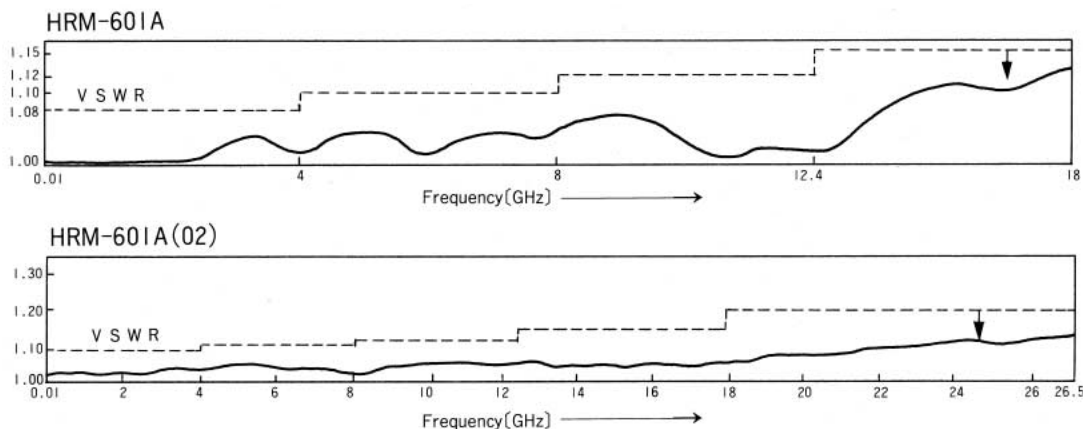
NOTE 1: When □300 metal plates are attached

NOTE 2: When connection leads are to be attached to the jack connector side, please use a leading dimension of 6.6 mm or greater from the mounting surface.

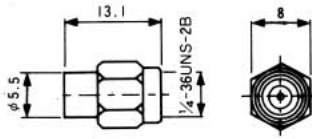
△CAUTION: Beryllia is used in this product. Please follow associated laws when disposing.



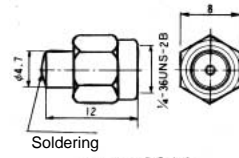
V.S.W.R. Data



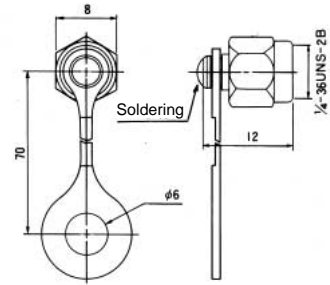
External Dimensions



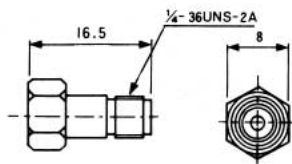
HRM-601
HRM-601S



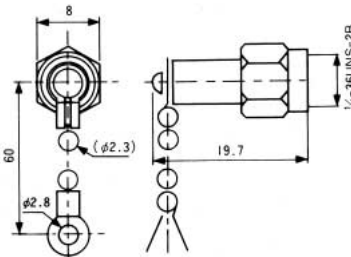
HRM-601A
HRM-601A(O2)



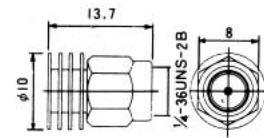
HRM-601D



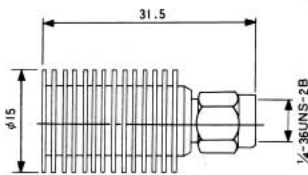
HRM-602
HRM-602S



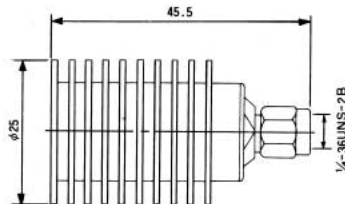
HRM-603
HRM-603S



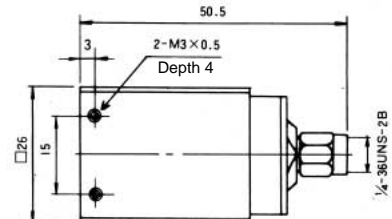
HRM-TMP-05



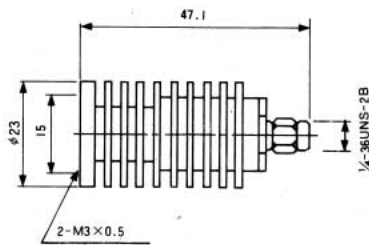
HRM-TMP-2



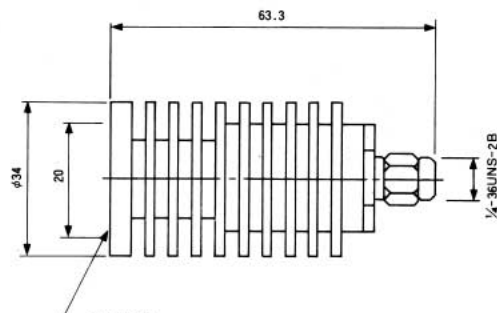
HRM-TMP-3



HRM-TMP-6



(NOTE: Mounting screw hole)
HRM-TMP-5-2



(NOTE: Mounting screw hole)

HRM-TMP-10-2