DC to 18.0GHz	Stripline Terminations (Externally Mounted)	CL 353

GENERAL FEATURES

This direct-connecting stripline termination can be used with high matching from DC up to 18 GHz, and has external microwave device housing. The resistor employs gold film resistance so that ageing effects are small, and variations in characteristics due to temperature variations are extremely small.

The series includes high-matching models (for example: HRM-TM-025-6) which operate from DC to 18 MHz with a VSWR of 1.15 and less, and ultra-low-cost models (for example: HRM-TM-025-17) which operate from DC to 8 GHz with a VSWR of 1.15 and less, or from 8 to 12.4 GHz with a VSWR of 1.25 or less. The coaxial circulator, directional coupler, hybrid, divider and similar dummy loads are appropriate.

MATERIAL•FINISH

Part name	Material	Finish
※Body	Brass	Nickel plated
Contact	Brass	Gold plated
Insulator	Teflon	
Radiator	Aluminum	Black alumite
Resistor	Metal film	

※HRM-TM-025:Body: stainless steel, gold-plated.

OPERATIONAL ENVIRONMENT

Operating temperature; −30°C～+65°C
Humidity; 0～95%

TEST ENVIRONMENT

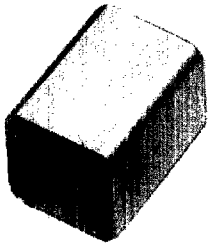
Vibration resistance; 10～55Hz
Total amplitude; 1.5mm 55～2000Hz 98m/s²
Temperature resistance; −55°C～+80°C
Impulse resistance; 490m/s²
Testing Method per MIL-STD-202


HRM-TM-025

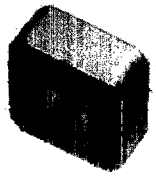

HRM-TM-025-8


HRM-TM-025-10


HRM-TM-025-17


HRM-TM-20-1


HRM-TM-10-4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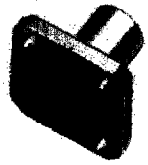

HRM-TM-025-6

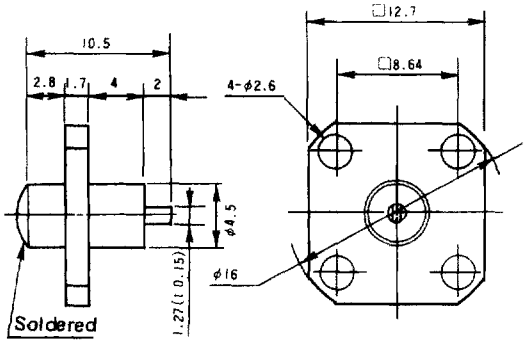
SPECIFICATIONS

Model No.	Frequency Range (GHz)	VSWR (Max)	Power (W)	Diect Current Resistance (Ω)	Temperature (°C Max)	Operating Temperature Range (°C)	Heat Sink Temperature at Maximum Load (°C Max)	※1 Contact Fixed force (μN·m)	Weight (g)
HRM-TM-025	DC～10	1.20	1	50±1.5	40	−30～+65	+65	294	2.5
HRM-TM-025-6	DC～18	1.15	1	50±1.0	40	−30～+65	+65	392	3
HRM-TM-025-8	DC～18	1.20	1	50±1.0	40	−30～+65	+65	392	3.5
HRM-TM-025-9	DC～12	1.20	1	50±1.5	40	−30～+65	+65	392	3.5
HRM-TM-025-10	DC～4 4～8	1.08 1.12	1	50±1.0	40	−30～+65	+65	392	3
HRM-TM-025-11	DC～18	1.20	1	50±1.0	40	−30～+65	+65	392	3
HRM-TM-025-17	DC～8 8～12.4	1.15 1.25	1	50±1.5	40	−30～+65	+65	392	3
HRM-TM-10-2	DC～12.4 12.4～18	1.20 1.25	10	50±1.5	56	−10～+65	+65	392	3
HRM-TM-10-4	DC～12.4 12.4～18	1.20 1.25	10	50±1.5	56	−10～+65	+65	392	3
HRM-TM-20-1	DC～8.5 8.5～10	1.20 1.25	20	50±1.5	56	−10～+65	+65	※2	6

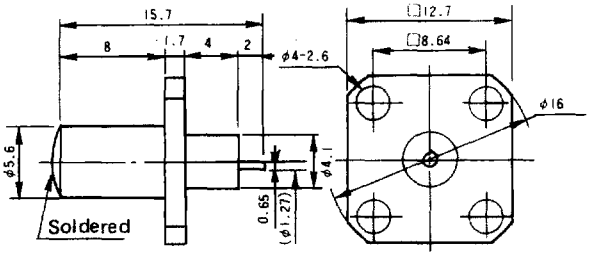
※1 9.80665N·m＝1kgf·m
0.980665μN·m＝1gf·cm
Example 392μN·m≒400gf·cm

※2 No standard specified because of spring force contact.

DIMENSIONS



HRM-TM-025



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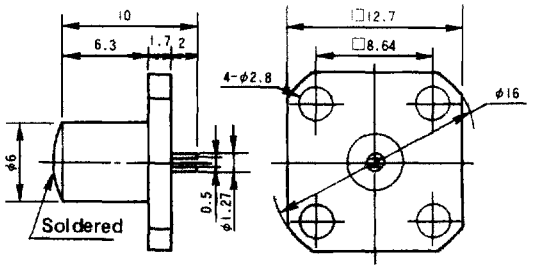

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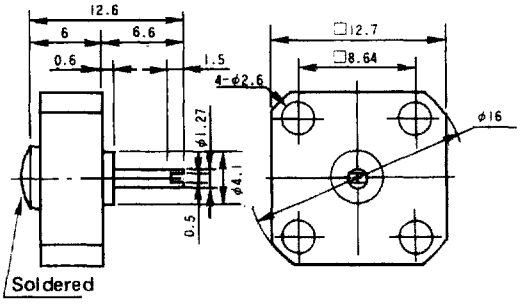

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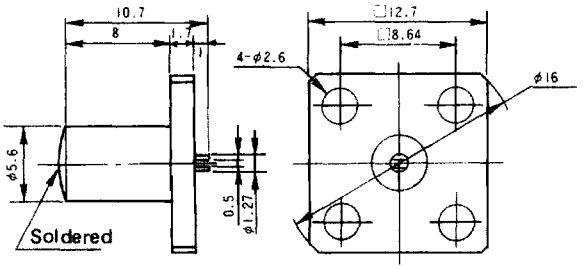

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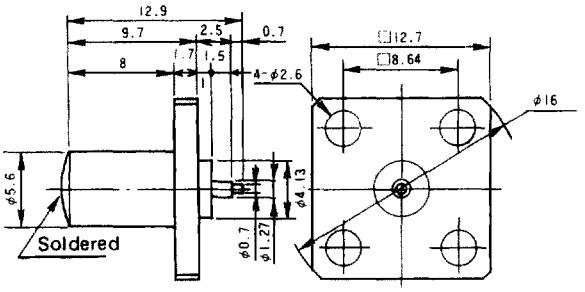

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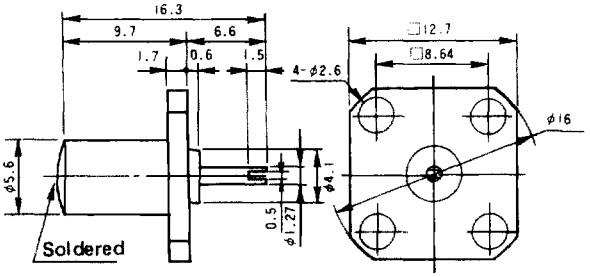

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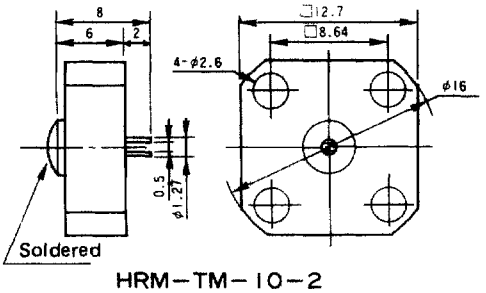
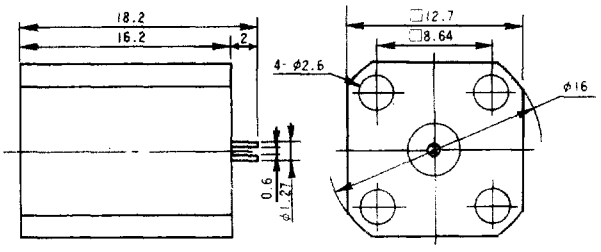


HRM-TM-10-2



HRM-TM-20-1