

Part No:

HTMMJ-50



1 Watt RF Load Termination with SMPM Female Connector DC-50 GHz

The HASCO **HTMMJ-50** is an RF termination (also called RF load or dummy load) that operates from DC to 50 GHz and handles up to 1 Watt (CW). Our SMPM termination/load has a Female gender. **HTMMJ-50** termination offers 1.4:1 max VSWR DC-50GHz.

The **HTMMJ-50** is RoHS Compliant.



RF load/terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a termination on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. HASCO offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

Electrical

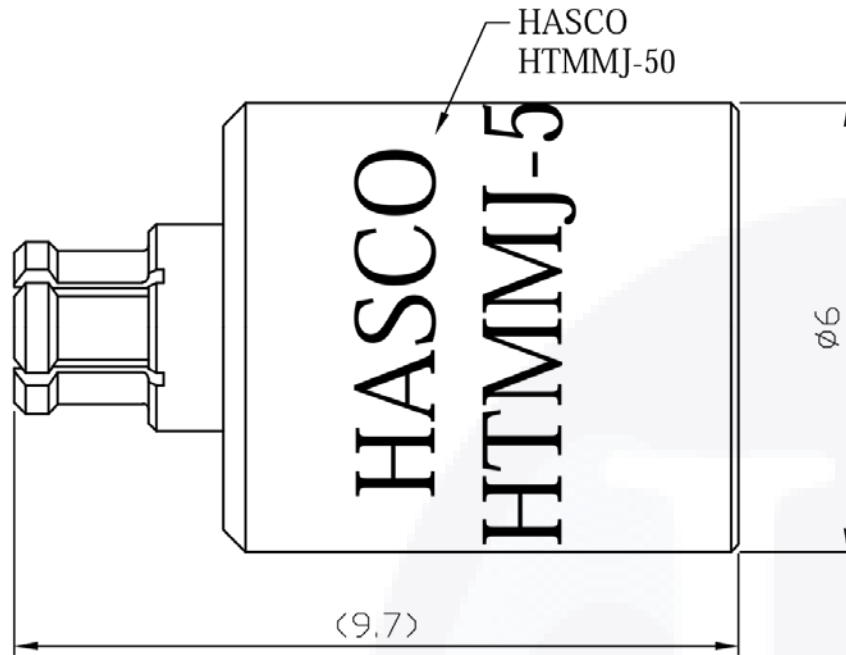
• Frequency Range	DC - 50 GHz
• VSWR	DC - 50 GHz 1.4:1
• Impedence	50Ω
• Power	1 Watt Average (-40°C to 70°C Linearly Derated to 0.5 Watt at 165°C)
• Insertion Loss	≤0.1 x √f(GHz) dB
• Insulation Resistance	≥5000MΩ
• Dielectric Withstanding Voltage	325V rms (sea level)


Environmental Data

• Temperature Range	-40°C - +105°C
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Material

• Body	Beryllium Copper (Plating: Gold 4 Over Nickel-Phosphorus Alloy 80, Over Copper 20)
• Contact Pin	Beryllium Copper (Plating: Gold 4 Over Nickel-Phosphorus Alloy 80, Over Copper 20)
• Insulator	PPO
• Ferrule	Brass (Plating: Gold 4 Over Nickel-Phosphorus Alloy 80, Over Copper 20)
• Cover	Brass (Plating: Gold 4 Over Nickel-Phosphorus Alloy 80, Over Copper 20)



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: <i>NS</i>	CHECKED BY: <i>JMS</i>	 5214 Bonsai Street • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com www.hasco-inc.com					
-	RELEASE	7/21	TAC	APPROVED BY: <i>TAC</i>							
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