

HN Tee Adapter Male-Female-Male

PE91783

Configuration

- HN Male Connector 1
- HN Female Connector 2
- HN Male Connector 3
- 50 Ohms Impedance
- Tee Body Geometry

Applications

- General Purpose Test

Description

Pasternack's PE91783 HN Tee adapter male-female-male is part of our full line of RF components available for same-day shipping. Our HN tee adapter has a male-female-male gender configuration. Tee adapters (also called tee connectors) are three port devices that can be used to split or combine a signal. Unlike power dividers/combiners, however, they do not provide matched impedance at all ports.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohms
Operating Voltage (AC)			2,500	Vrms
Dielectric Withstanding Voltage (AC)			3,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	3.34 in [84.80 mm]
Width	0.94 in [24.00 mm]
Height	1.49 in [37.80 mm]
Weight	0.26 lbs [120.00 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	
Mating Torque	6.2 to 9.7 in-lbs 0.70 to 1.10 Nm	7 to 9.5 in-lbs 0.79 to 1.07 Nm
Contact Retention Force, Min	60.7 lbs [27.53 kg]	60.7 lbs [27.53 kg]
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	HN Male		HN Female	
Contact	Brass	Gold over Nickel	Beryllium Copper	Gold over Nickel
Insulation	PTFE		PTFE	
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone		Silicone	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

HN Tee Adapter Male-Female-Male from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Tee Adapter Male-Female-Male PE91783](#)

URL: <https://www.pasternack.com/hn-tee-adapter-male-female-male-pe91783-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE91783 CAD Drawing
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