

# Ferrite Core Miniature Connectors

## Male Connector Features Molded-In Nickel-Zinc Ferrite Cores For EMI/RFI Suppression

### HMPW/HFMPW Series



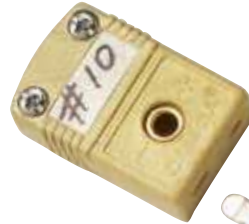
- ✓ High Temperature Liquid Crystal Polymer
- ✓ Male Designed for Suppression of Electromagnetic Interference (EMI)
- ✓ Temperature Ratings:
  - Ferrite Core Effectiveness: 120°C (248°F)
  - LCP Material: 260°C (500°F)
- ✓ Write-on Window for Easy Labeling
- ✓ Color-Coded Calibration, Earth-Tone Colors
- ✓ Environmentally Friendly Cadmium-Free LCP Shell
- ✓ Heavy Duty Construction
- ✓ Accepts Stranded and Solid Wire up to Size 20 AWG
- ✓ Combination Phillips Slotted Captive Cover Screws
- ✓ Internal Wire Divider
- ✓ Male Connector Impedance ( $\pm 20\%$ ):
  - 55  $\Omega$  @ 25 MHz; 90  $\Omega$  @ 100 MHz

Miniature connectors shown actual size.



HCP-S write-on window included, Additional windows for additional cost.

HMPW-(\*)-F

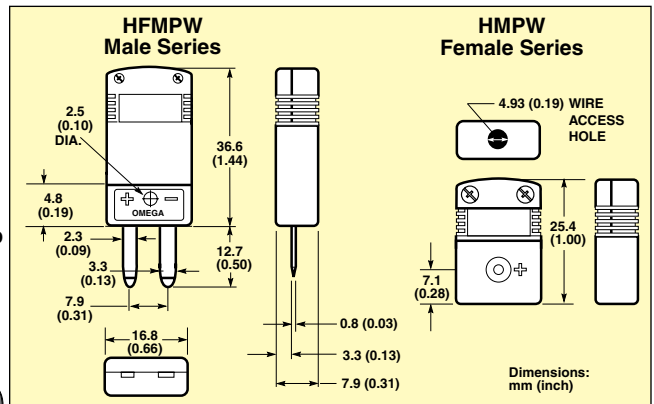


HFMPW-(\*)-M



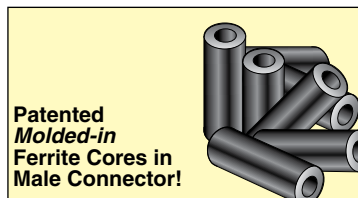
**PATENTED**

**Quick Connect Contact Washers and Wire Strain Relief Included FREE!**



For a complete selection of miniature size connector accessories visit [newportUS.com](http://newportUS.com)

Discount Schedule	
1-10 .....	Net
11-49 .....	5%
50-99 .....	10%
100-999 .....	15%
1000-4999 .....	20%
5000 and over.....	25%



### To Order visit [newportUS.com/HMPW\\_F](http://newportUS.com/HMPW_F) for Pricing and Details

Alloy Code†	Type of Thermocouple Used With Connector	Compensating Alloy Used in Connector		Shell Color	Female Model No.	Male Model No. (With Ferrite Core)
		+	-			
<b>K</b>	CHROMECA®-ALOMEGA®	CHROMECA	ALOMEGA	Yellow	<b>HMPW-K-F</b>	<b>HFMPW-K-M</b>
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	<b>HMPW-T-F</b>	<b>HFMPW-T-M</b>
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	<b>HMPW-J-F</b>	<b>HFMPW-J-M</b>
<b>E</b>	CHROMECA-Constantan	CHROMECA	Constantan	Purple	<b>HMPW-E-F</b>	<b>HFMPW-E-M</b>
<b>R/S</b>	Pt/13%Rh-Pt	Copper	RNX/SNX	Green	<b>HMPW-R/S-F</b>	<b>HFMPW-R/S-M</b>
<b>C</b>	W/5%Re-W/26%Re	CPX	CNX	Red	<b>HMPW-C-F</b>	<b>HFMPW-C-M</b>
<b>U</b>	Uncompensated	Copper	Copper	White	<b>HMPW-U-F</b>	<b>HFMPW-U-M</b>
<b>N</b>	OMEGALLOY®	OMEGA-P®	OMEGA-N®	Orange	<b>HMPW-N-F</b>	<b>HFMPW-N-M</b>

† Types J, K, T, E, R, S and B are ANSI designations. OMEGALLOY is generically known as Nicrosil-Nisil.

Note: Type U (uncompensated) connectors are used with Type B thermocouples (Pt/6%Rh-Pt/30%Rh).

Ordering Examples: **HFMPW-K-M**, high temperature subminiature male write-on connector with molded in ferrite core, Type K calibration, and **HMPW-K-F**, high temperature subminiature female write-on connector, Type K calibration, (please order as separate line items).

**HFMPW-R/S-M**, high temperature subminiature male write-on connector with molded ferrite core, Type R/S.