### **Coaxial N MaleTerminations**

### **MECHANICAL SPECIFICATIONS**



Brass, Nickel Plated.

PTFE, Virgin grade.

50 Ω.

Impedance:

high power coaxial N Male Terminations product selection chart					
P/N	Power Avg.	Power Peak	Length	Width	
CFT-2 NM	2 W	1.5 KW.	1.600"	0.800"	
CFT-5 NM	5 W	2 KW.	1.700"	0.800"	
CFT-10 NM	10 W	2 KW.	2.500"	0.065"	
CFT-15 NM	15 W	2 KW.	2.550"	1.250"	
CFT-35 NM	35 W	3 KW.	2.200"	1.650"	
<b>CFT-100 NM</b>	100 W	N/A	6.250"	6.000"	
CHT-150 NM	150 W	N/A	2.361"	2.000"	
CHT-200 NM	200 W	N/A	3.750"	1.000"	
CHT-200-1 NM	200 W	N/A	2.375"	1.000"	
CHT-200-3 NM	200 W	N/A	3.750"	1.000"	
CHT-250 NM	150 W	N/A	2.361"	2.000"	
CHT-250-1 NM	250 W	N/A	2.100"	1.500"	
CHT-300 NM	300 W	N/A	3.400"	1.625"	

P/N:CFT-2 NM	Coaxial N Series		
	Electrical Specifications	<u>5</u>	
	A	Frequency Range:	VSWR (Max.)
	Average Power:	DC - 6.0 GHz	1.15:1
	2 W.	6.0 - 12.4 GHz	1.20:1
	Peak Power:	Impedance:	
et4U.com	1.5 KW.	50 Ω	
Mechanical Specifications	Part Dimensions		
	Part Dimensions		
Connector:	Part Dimensions		
	Part Dimensions	0.800# (2	0.220mm)
Connector: Brass, Nickel plated.	Part Dimensions	0.800" (2	0.320mm)
Connector: Brass, Nickel plated. Contact:	Part Dimensions	0.800" (2	0.320mm) ↓
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Gold plated. <u>Housing:</u> Brass, Nickel plated.	Part Dimensions	0.800" (2	0.320mm) ↓
Connector: Brass, Nickel plated. Contact: Brass, Gold plated. Housing:	Part Dimensions	0.800" (2	0.320mm) ↓
Connector: Brass, Nickel plated. Contact: Brass, Gold plated. Housing: Brass, Nickel plated. Insulator: PTFE, Virgin grade.		0.800" (2	0.320mm) ↓
Connector: Brass, Nickel plated. Contact: Brass, Gold plated. Housing: Brass, Nickel plated. Insulator:	<u>Part Dimensions</u> 1.500" (38.100mm) -	0.800" (2	0.320mm) ↓

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P/N:CFT - 5 NM	Coaxial Terminati	ons	
	Electrical Specificatio	ns	
	Average Power: 5 W. Peak Power: 2.0 K W.	<u>Frequency Range:</u> DC - 6.0 GHz 6.0 - 12.4 GHz <u>Impedance:</u> 50 Ω	<b>VSWR (Max.)</b> 1.20:1 1.30:1
Mechanical Specifications	Part Dimensions		
Connector:	Part Dimensions		
	<u>Part Dimensions</u> 0.800" (20.320mm) ↓		
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Gold plated .			

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P/N:CFT - 10 NM	Coaxial Terminati	ions	
	Electrical Specificatio	ons	
A	Average Power: 10 W.	Frequency Range: DC - 6.0 GHz 6.0 - 12.4 GHz	<b>VSWR (Max.)</b> 1.20:1 1.30:1
et4U.com	<b><u>Peak Power:</u></b> 2.0 K W.	Impedance: 50 Ω	
Mechanical Specifications	Part Dimensions		
Mechanical Specifications	Part Dimensions		
Mechanical Specifications Connector: Brass, Nickel plated. Contact:			
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Silver plated .	<u>Part Dimensions</u> 0.650" (16.510mm)		
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing: Aluminum, Black Anodized.			
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing: Aluminum, Black Anodized. Insulator:			
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing: Aluminum, Black Anodized.			<b>-</b> 2.500" (63.500 mm)

P/N:CFT - 15 NM	Coaxial Terminat	tions	
	Electrical Specification	ons	
	Average Power: 15 W.	Frequency Range: DC - 6.0 GHz 6.0 - 12.4 GHz	<b>VSWR (Max.)</b> 1.20:1 1.30:1
	Peak Power:	Impedance:	
et4U.com	2.0 K W.	50 Ω	
Mechanical Specifications	Part Dimensions		
<u>Connector:</u> Brass, Nickel plated.			
Connector:	Part Dimensions 1.250" (31.750mm) Max	۲.	
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing:		<.	
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Silver plated . <u>Housing:</u> Aluminum, Black Anodized.		ĸ. <b>Ĩ Ĩ Ĩ Ĩ Ĩ Ĩ "</b> ───────────────────────────────────	
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing: Aluminum, Black Anodized. Insulator:			
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Silver plated . <u>Housing:</u> Aluminum, Black Anodized.			
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing: Aluminum, Black Anodized. Insulator: PTFE, Virgin grade.			
Connector: Brass, Nickel plated. Contact: Brass, Silver plated . Housing: Aluminum, Black Anodized. Insulator: PTFE, Virgin grade. Weight:		<. 2.500" (63.500mm) Max.	

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P/N:CFT - 35 NM	Coaxial Terminat		
heet4U.com	Average Power: 35 W. Peak Power: 2.0 K W.	<b>Frequency Range:</b> DC - 2.0 GHz 2.0 - 4.0 GHz <b>Impedance:</b> 50 Ω	<b>VSWR (Max.</b> 1.15:1 1.20:1
Mechanical Specifications <u>Connector:</u> Brass, Nickel plated.	Part Dimensions		_
<u>Contact:</u> Brass, Silver plated . <u>Housing:</u> Aluminum, Black Anodized. <u>Insulator:</u> PTFE, Virgin grade. <u>Weight:</u> 110.0 Grams.	1.650" (41.910mm) ↓	2.500" (63.500mm)	
		2.000 (00.0001111)	~

	P/N:CFT - 100 NM	Coaxial Term	inations	
		Electrical Specifications		
ataSheet4U.com		<b>Power:</b> 100 W. <b>Impedance:</b> 50 Ω	Frequency Range: DC - 1.0 GHz 1.0 - 2.0 GHz	<b>VSWR (Max.):</b> 1.08:1 1.15:1
<u>Co</u>	chanical Specifications onnector: Brass, Nickel plated.	Part Dimensions	6.625" (158.750mm)	_
He	ontact: Brass, Silver plated . eat Sink: Aluminum, Black Anodized. ousing: Aluminum, Black Anodized.			3.250" (82.55mm) ↓ ↓ 0.800" (20.320mm)
<u>In</u>	<u>sulator:</u> PTFE, Virgin grade.	.6625" (150	↓	(127.000mm)
	•	6.00	0° (152.400mm)	

#### P/N:CHT - 150 NM **Coaxial Terminations Electrical Specifications** Frequency Range: VSWR (Max.): Power: DC - 1.0 GHz 1.15:1 150 W. 1.0 - 2.0 GHz 1.40:1 Impedance: 50 Ω Mechanical Specifications **Part Dimensions** Contact: Beryllium Copper, Silver plated. **Connector:** 2.000" (50.800mm) 1.625" (41.275mm) 0.875" (22.225mm) Brass, Nickel plated. 1.060" (26.924mm) .180" (4.572mm) 0.375" (9.525mm) Housing: ⊕ $\oplus$ ٠ Copper, Nickel plated. 0 0 Insulator: 1.625" (41.275mm) PTFE, Virgin grade ø 7 æ Ð 0.819" (20.803mm) 0.515" (13.081mm) 0.215" (5.461mm) 0.187" (4.750mm) Typ. Dia.X4.

The CHT Series high power coaxial terminations are conduction cooled loads. They are designed to be mounted on a heat sink ground plane or a chill plate. The power ratings require that the base plate of the CHT-15-2 does not exceed 100°C or 85°C for all other sizes.

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P/N:CHT - 200 NM	Coaxial Terminations
	Electrical Specifications
neet4U.com	Power : 200 W on Adequate Heat Sink.Frequency Range: VSWR (Max.): DC - 1.0 GHzVSWR (Max.): 1.08:1Impedance: 50 Ω
Mechanical Specifications	Part Dimensions
Aluminum, Clear iridited . Connector: Brass, Nickel plated. Housing: Copper, Bare . Insulator: PTFE, Virgin grade.	
	0.125 (3.175 mm) Dia. 0.180° (4.572 mm) Dia. Thru, 6 places Thru, 2 places

The CHT Series high power coaxial terminations are conduction cooled loads. They are designed to be mounted on a heat sink ground plane or a chill plate. The power ratings require that the base plate of the CHT-15-2 does not exceed  $100^{\circ}$ C or  $85^{\circ}$ C for all other sizes.



	P/N:CHT - 200-1 NM	Coaxial Terminations
DataS	heet4U.com	Electrical SpecificationsPower: 200 W on Adequate Heat Sink.Frequency Range: DC - 1.0 GHzVSWR (Max.): 1.08:1Impedance: 50 Ω
	Mechanical Specifications Cover: Aluminum, Gold iridited . Connector: Brass, Nickel plated. Housing: Copper, Bare . Insulator: PTFE, Virgin grade.	Part Dimensions
	•-^//	Note: Mounting hole spacing can be altered to meet your needs.

The CHT Series high power coaxial terminations are conduction cooled loads. They are designed to be mounted on a heat sink ground plane or a chill plate. The power ratings require that the base plate of the CHT-15-2 does not exceed  $100^{\circ}$ C or  $85^{\circ}$ C for all other sizes.



#### P/N:CHT - 250 NM

#### **Coaxial Terminations**



#### **Electrical Specifications**

	Frequency Range:	VSWR (Max.):
Power:	DC - 200 MHz	1.15:1
150 W.	200 - 400 MHz	1.25:1
	400 - 800 MHz	1.30:1
Impedance:		
50 Ω		

#### **Mechanical Specifications**

**Part Dimensions** 

#### Contact:

Beryllium Copper, Silver plated..

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### Connector:

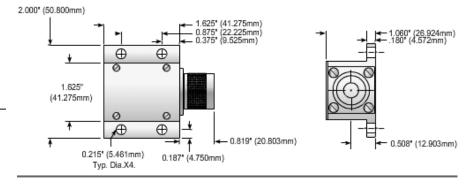
Brass, Nickel plated.

#### Housing:

Copper, Nickel plated.

#### Insulator:

PTFE, Virgin grade.



The CHT Series high power coaxial terminations are conduction cooled loads. They are designed to be mounted on a heat sink ground plane or a chill plate. The power ratings require that the base plate of the CHT-15-2 does not exceed 100°C or 85°C for all other sizes.



P/N:CHT - 250-1 NM	Coaxial Terminations
ataSheet4U.com	Electrical SpecificationsPower: 250 W on Adequate Heat Sink.Frequency Range: DC - 1.0 GHzVSWR (Max.): 1.10:1Impedance: 50 Ω
Mechanical Specifications <u>Cover:</u> Copper, Nickel Plated. <u>Connector:</u> Brass, Nickel plated. <u>Housing:</u> Copper, Nickel Plated. Insulator:	Part Dimensions   0.625" (15.875mm) → I   Image: Contract of the second
PTFE, Virgin grade.	- 0.800" (20.320mm) + + + + + + + + + + + + + + + + + +

The CHT Series high power coaxial terminations are conduction cooled loads. They are designed to be mounted on a heat sink ground plane or a chill plate. The power ratings require that the base plate of the CHT-15-2 does not exceed  $100^{\circ}$ C or  $85^{\circ}$ C for all other sizes.



Electrical Specification	<u>s</u>	
250 W on Adequate Heat Sink. <u>Return Loss:</u> -26 dB (Standard)	Frequency Range: DC - 1.0 GHz Impedance: 50 Ω	<b>VSWR (Max.)</b> 1.10:1
0.512" (13.004mm)	496mm) Mounting Holes, 180" (4.572mm) 1.625" (41.275 0.813" (20.650) 1.80" (4.572mm) 0.813" (20.650) 0.813" (20.650) 0.	nm)
		↓ ↓ 
	-26 dB (Standard)	-26 dB (Standard) 50 Ω Part Dimensions

The CHT Series high power coaxial terminations are conduction cooled loads. They are designed to be mounted on a heat sink ground plane or a chill plate. The power ratings require that the base plate of the CHT-15-2 does not exceed  $100^{\circ}$ C or  $85^{\circ}$ C for all other sizes.

