Coaxial N FemaleTerminations

MECHANICAL SPECIFICATIONS



Brass, Nickel Plated.

50 Ω.

PTFE, Virgin grade.

Impedance:

high p	ower Coaxial N Fe	male terminations pro	oduct selection chart	
P/N	Power Avg.	Power Peak	Length	Width
CFT-2 NF	2 W	1.5 KW.	1.600"	0.800"
CFT-5 NF	5 W	2 KW.	1.700"	0.800"
CFT-15 NF	15 W	2 KW.	2.550"	1.250"
CFT-100 NF	100 W	N/A	6.250"	6.000"
CHT-150 NF	150 W	N/A	2.361"	2.000"
CHT-200 NF	200 W	N/A	3.750"	1.000"
CHT-200-1 NF	200 W	N/A	2.375"	1.000"
CHT-200-2 NF	200 W	N/A	2.375"	0.750"
CHT-200-3 NF	200 W	N/A	3.750"	1.000"
CHT-250 NF	150 W	N/A	2.361"	2.000"
CHT-250-1 NF	250 W	N/A	2.100"	1.500"
CHT-300 NF	300 W	N/A	3.400"	1.625"

P/N:CFT-2 NF	Coaxial N Series		
	Electrical Specification	ons	
	Peak Power:		
	1.5 KW.		
		Frequency Range:	VSWR (Max.)
	Average Power: 2 W.	DC - 6.0 GHz	1.15:1
	2 W.	6.0 - 12.4 GHz	1.25:1
	Impedance:		
	50 Ω		
Mechanical Specifications	Part Dimensions		
Connector:			
Connector: Brass, Nickel plated.			
Connector: Brass, Nickel plated. Contact:	Part Dimensions		
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Gold plated.)mm)	
Connector: Brass, Nickel plated. Contact: Brass, Gold plated. Housing:	Part Dimensions)mm)	
Connector: Brass, Nickel plated. Contact: Brass, Gold plated. Housing: Brass, Nickel plated. Insulator: PTFE, Virgin grade.	Part Dimensions)mm)	
Connector: Brass, Nickel plated. Contact: Brass, Gold plated. Housing: Brass, Nickel plated. Insulator:	Part Dimensions)mm)	



P/N:CFT - 5 NF	Coaxial Terminati	ions	
	Electrical Specificatio	ons	
	Average Power: 5 W. Peak Power: 2.0 K W.	Frequency Range: DC - 6.0 GHz 6.0 - 12.4 GHz Impedance: 50 Ω	VSWR (Max.) 1.20:1 1.35:1
Nechanical Specifications	Part Dimensions		
Mechanical Specifications Connector:	Part Dimensions		
	Part Dimensions		
Connector:		17	
Connector: Brass, Nickel plated.	0.800" (20.320m	m)	
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Gold Plated.		m)	
Connector: Brass, Nickel plated. Contact:		m)	
Connector: Brass, Nickel plated. Contact: Brass, Gold Plated. Housing:		m)	
Connector: Brass, Nickel plated. Contact: Brass, Gold Plated. Housing: Aluminum, Black, Anodized. Insulator:			
Connector: Brass, Nickel plated. Contact: Brass, Gold Plated. Housing: Aluminum, Black, Anodized.		m)	

	Electrical Specification	ons	
	Average Power: 15 W.	Frequency Range: DC - 6.0 GHz 6.0 - 12.4 GHz	VSWR (Max.) 1.20:1 1.35:1
	<u>Peak Power:</u> 2.0 K W.	Impedance: 50 Ω	
Connector:	Part Dimensions		
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u>	Part Dimensions 1.250" (31.750mm)		
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Silver Plated			
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u>			
<u>Connector:</u> Brass, Nickel plated. <u>Contact:</u> Brass, Silver Plated <u>Housing:</u>			1111-
Brass, Nickel plated. <u>Contact:</u> Brass, Silver Plated <u>Housing:</u> Aluminum, Black Anodized.			

P/N:CFT - 100 NF	Coaxial Terminations
	Electrical Specifications
	Power: Frequency Range: VSWR (Max.) 100 W. DC - 1.0 GHz 1.08:1 1.0 - 2.0 GHz 1.15:1
Mechanical Specifications <u>Connector:</u> Brass, Nickel plated.	Part Dimensions 6.625" (158.750mm) ↓
<u>Contact:</u> Brass, Silver plated . <u>Heat Sink:</u> Aluminum, Black Anodized. <u>Housing:</u>	3.250" (82.55mm)
Aluminum, Black, Anodized. Insulator: PTFE, Virgin grade.	
•	5.000" (127.000mm) 6.000" (152.400mm)

	Electrical Specifica	tions	
	Power:	Frequency Range:	VSWR (Max.):
	150 W.	DC - 1.0 GHz 1.0 - 2.0 GHz	1.15:1 1.40:1
CONC.	Impedance:		
	50 Ω		
Acchanical Specifications	Part Dimonsions		
lechanical Specifications	Part Dimensions		
Nechanical Specifications	Part Dimensions		
	Part Dimensions		
Contact:			
Contact: Beryllium Copper, Silver plated	2.000" (50.800mm)	1.625" (41.275mm) 0.875" (22.225mm) →	→ 1.060" (26.92 → 1.80" (26.92
Contact: Beryllium Copper, Silver plated Connector:		↓ 1.625" (41.275mm) 0.875" (22.225mm) ⊕ 0.375" (9.525mm)	→ 1.060" (26.9 → 0.180" (4.57)
<u>Contact:</u> Beryllium Copper, Silver plated <u>Connector:</u> Brass, Nickel plated.	2.000" (50.800mm)	→ 0.375" (9.525mm)	→ 1.060" (26.9) → 0.180" (4.57)
<u>Contact:</u> Beryllium Copper, Silver plated <u>Connector:</u> Brass, Nickel plated. <u>Housing:</u>	2.000" (50.800mm)	→ 0.375" (9.525mm)	→ 1.060" (26.97
Beryllium Copper, Silver plated Connector: Brass, Nickel plated. Housing: Copper, Nickel plated.	2.000" (50.800mm)	→ 0.375" (9.525mm)	→ 1.060" (26.97

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 - 200 NF	Coaxial Terminations
	Electrical SpecificationsPower: 200 W on Adequate Heat Sink.Frequency Range: DC - 1.0 GHzVSWR (Max.): 1.08:1Impedance: 50 Ω
Mechanical Specifications Cover: Aluminum, Clear 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.

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P/N:CHT - 200-1 NF	Coaxial Terminations
	Electrical Specifications
	Power:Frequency Range:VSWR (Max.):200 W on Adequate Heat Sink.DC - 1.0 GHz1.08:1Impedance:50 Ω
Mechanical Specifications <u>Cover:</u> Aluminum, Gold iridited . <u>Connector:</u> Brass, Nickel plated.	Part Dimensions 1.000" (25.40) 1.000" (25.40) 1.00
<u>Housing:</u> Copper, Bare . <u>Insulator:</u> PTFE, Virgin grade.	0.814" (20.876mm) Mounting Holes, 0.125" (3.175mm) Dia. Thru, 4 places

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P/N:CHT - 200-2 NF	200 W on Adoquato	n <mark>cy Range: VSWR (Max.):</mark> 1.0 GHz 1.08:1
Mechanical Specifications <u>Cover:</u> Aluminum, Gold iridited . <u>Connector:</u> Brass, Nickel plated. <u>Housing:</u> Copper, Bare . <u>Insulator:</u> PTFE, Virgin grade.	Part Dimensions Part Dimensions	1.000" (25.400n 4.924mm) 2.700mm) ← 0.750" (19.050mm) 0.750" (19.050mm)
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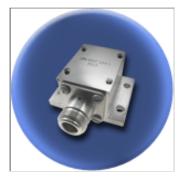
P/N:CHT - 200-3 NF	Coaxial Terminations
	Electrical SpecificationsPower: 200 W on Adequate Heat Sink.Frequency Range: DC - 1.0 GHzVSWR (Max.): 1.08:1Impedance: 50 Ω
Mechanical Specifications <u>Cover:</u> Aluminum, Gold iridited . <u>Connector:</u> Brass, Nickel plated. <u>Housing:</u> Copper, Bare . <u>Insulator:</u> PTFE, Virgin grade.	Part Dimensions
•	Note: Mounting hole spacing can be altered to meet your needs.

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P/N:CHT - 250 NF

Coaxial Terminations



Electrical Specifications

	Frequency Range:	VSWR (Max.):
Power:	DC - 200 MHz	1.15:1
250 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:

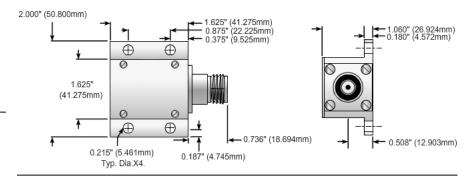
Brass, Nickel plated.

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 NF	Coaxial Terminations
	Electrical Specifications Power: Frequency Range: VSWR (Max.) 250 W on Adequate DC - 1.0 GHz 1.10:1 Impedance: 50 Ω
Mechanical Specifications Cover: Copper, Nickel Plated. Connector:	Part Dimensions
Brass, Nickel plated. <u>Housing:</u> Copper, Nickel Plated. <u>Insulator:</u> PTFE, Virgin grade.	- 0.625" (15.875mm) → I + 0.625" (15.875mm) → I + 0.625" (15.875mm) → I + 0.625" (15.875mm) → I + 1.200" (30.4 0.800" (20.320mm) → I + 1.200" (30.4) → I + 0.800" (20.320mm) → I + 0.800" (20.320mm) → I + 1.200" (30.4) → I + 0.800" (20.320mm) → I + 0.800" (2
•-^///	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° C or 85° C for all other sizes.



P/N:CHT - 300 NF	Coaxial Terminations		
	Electrical Specifications		
	Power: 250 W on Adequate Heat Sink. Return Loss: -26 dB (Standard)	Frequency Range: DC - 1.0 GHz Impedance: 50 Ω	VSWR (Max.) 1.10:1
Mechanical Specifications	Part Dimensions		
Cover: Aluminum, Black Anodized . Connector: Brass, Nickel plated. Housing: Copper, Bare . Insulator:	1.495" (37.973m 1.240" (31.496m 0.385" (9.779mm 0.130" (3.302mm	m) Mounting Holes,) 0.190" (4.572mm) 1.625" (41.2	275mm) 550mm)
PTFE, Virgin grade. Note: Mounting hole spacing can be altered to meet your needs.	0.512" (13.004mm)	3.180mm)	
•-^///			↓ 1.990* (50.546mm)
		1.2	50" (31.750mm)

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