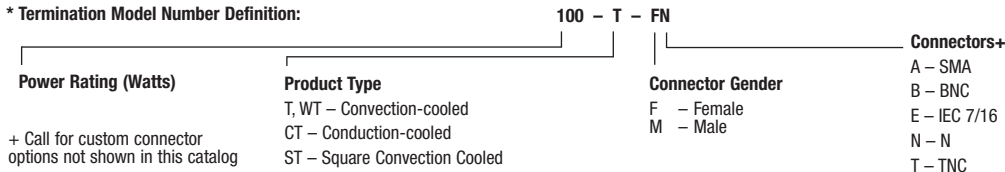


Use this Model Number Definition to specify part numbers when ordering T, ST, WT, and CT Series dry loads.

* Termination Model Number Definition:



+ Call for custom connector options not shown in this catalog



2-T SERIES (2 Watt) and 5-T SERIES (5 Watt)

Connectors	BNC, N, TNC
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 6 GHz at 1.25:1 max. (N type), 1 GHz to 4 GHz at 1.25:1 max. (BNC and TNC)
Ambient Temp.	-40°C to +40°C
Operating Position	Any
Coolant	Dry (Convection cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	(with Male N-type connector): 1.6" L x 0.8" Dia., (40.7 mm x 20.4 mm)
Weight	1.9 oz. (55 g)

Also available, 0.5 Watt, SMA Male
0.5-T-MA-A (DC to 12 GHz, 1.25:1 max.)
0.5-T-MA-B (DC to 18 GHz, 1.25:1 max.)



10-T SERIES * (10 Watt) & 10-T-MN

Connectors	BNC, N, TNC
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 10-T: 1 GHz to 4 GHz at 1.25:1 max. 10-T-MN: DC-2.4 GHz ≤ 1.10: 2.4-6 GHz ≤ 1.15: 6-10 GHz ≤ 1.25
Ambient Temp.	-40°C to +40°C
Operating Position	Any
Coolant	Dry (Convection cooled)
Finish	Black anodized. Silver or Tri-alloy plated connector
Nominal Size	(with N-type connector): 2" L x 2.3" Dia., (50.8 mm x 58.5 mm)
Weight	5.1 oz. (146 g)



25-T SERIES (25 Watt)

Connectors	BNC, N, TNC, IEC 7/16"
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Any
Coolant	Dry (Convection cooled)
Finish	Black anodized. Silver or Tri-alloy plated connector
Nominal Size	(with N-type connector): 4.7" L x 2.3" Dia., (119.4 mm x 58.5 mm)
Weight	10.7 oz. (305 g)



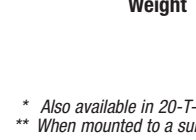
25-CT-FA, 25 CT-MA (25 Watt)**

Power Rating	25 W max. @ 100°C flange temperature, derated to 0 W @ 150°C
Connectors	SMA
Frequency Range and VSWR	DC to 1 GHz at 1.15:1 max., 1 GHz to 3 GHz at 1.25:1 max.
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	0.9" L x 1.0" W x 0.5" H, (includes connector): 22.9 mm x 25.4 mm x 12.7 mm
Base to Connector Center	0.25" (6.4 mm)
Mounting Centers	0.614" (15.6 mm)
Weight	0.4 oz. (11.4 g)



50-T Series (50 Watt)

Connectors	BNC, N, TNC, IEC 7/16"
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Any
Coolant	Dry (Convection cooled)
Finish	Black anodized. Silver or Tri-alloy plated connector
Nominal Size	(with N-type connector): 4.7" L x 2.3" Dia., (119.4 mm x 58.5 mm)
Weight	1.13 lbs. (0.52 kg)



50-CT-FA, 50-CT-MA (50 WATT)**

Power Rating	50 W max. @ 100°C flange temperature, derated to 0 W @ 150°C
Connectors	SMA
Frequency Range and VSWR	DC to 3 GHz at 1.15:1 max., 3 GHz to 6 GHz at 1.25:1 max.
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	0.86" L x 0.75" W x 0.39" H, (includes connector): 21.9 mm x 19.2 mm x 10.0 mm
Base to Connector Center	0.162" (4.12 mm)
Mounting Centers	0.52" (13.3 mm)
Weight	1.1 oz. (31.2 g)



* Also available in 20-T-MN (not listed)

** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.

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75-T SERIES (75 WATT)

Connectors	BNC, N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Any
Coolant	Dry (Convection cooled)
Finish	Black anodized. Silver or Tri-alloy plated connector
Nominal Size	(with N-type connector): 6.7" L x 2.3" Dia., (170.2 mm x 58.5 mm)
Weight	1.32 lbs. (0.6 kg)



100-ST SERIES (100 WATT)

Connectors	BNC, N, TNC, IEC 7/16
Frequency Range	DC to 1 GHz at 1.10:1 max., 1 GHz to 4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Any
Coolant	Dry (Convection cooled)
Finish	Black anodized fins.
Nominal Size	Silver or Tri-alloy plated connector (with N-type connector): 6.95" H x 2.75" W x 2.75" D, (174 mm x 69.9 mm x 69.9 mm)
Weight	2.62 lbs. (1.20 kg)



150-T SERIES (150 WATT)*

Connectors	BNC, N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 2.4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Vertical
Coolant	Dry (Convection cooled)
Finish	Black semigloss paint per Federal Standard 595.
Nominal Size	Silver or Tri-alloy plated connector (with N-type connector): 10.87" H x 2.6" W x 6.8" D, (276.1 mm x 66.1 mm x 172.8 mm)
Weight	6.0 lbs. (2.73 kg)



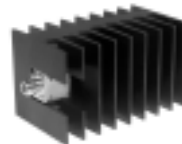
100-T SERIES (100 WATT)

Connectors	BNC, N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 2.4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Vertical
Coolant	Dry (Convection cooled)
Finish	Black anodized fins.
Nominal Size	Silver or Tri-alloy plated connector (with N-type connector): 6.4" L x 2.6" W x 7.0" D, (162.6 mm x 66.1 mm x 172.8 mm)
Weight	3.6 lbs. (1.64 kg)



100-CT-FA, 100-CT-MA (100 WATT)**

Power Rating	100 W max. @ 100°C flange temperature derated to 0 W at 150°C
Connectors	SMA
Frequency Range and VSWR	DC to 2 GHz at 1.15:1 max., 2 GHz to 3 GHz at 1.25:1 max.
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	1.34" L x 1.375" W x 0.56" H, (34.1 mm x 35 mm x 14.3 mm)
Base to Connector Center	0.26" (6.6 mm)
Mounting Centers	0.625" x 1.125" (15.9 mm x 28.6 mm)
Weight	1.0 oz. (28.4 g)



150-ST SERIES (150 WATT)

Connectors	BNC, N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 2.4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Vertical
Coolant	Dry (Convection cooled)
Finish	Black anodized fins.
Nominal Size	Silver or Tri-alloy plated connector (with N-type connector): 7.54" H x 4.0" W x 4.0" H, (189 mm x 100 mm x 100 mm)
Weight	5.0 lbs. (2.30 kg)



* WT SERIES also available

** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.



150-CT SERIES (150 WATT)**

Power Rating	150 W max. @ 100°C flange temperature, derated to 0 W @ 150°C
Connectors	BNC, N, TNC, SMA
Frequency Range and VSWR	DC to 1 GHz at 1.15:1 max., 1 GHz to 2.4 GHz at 1.25:1 max.
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	(with N connector): 1.86" L x 1.25" W x 1.062" H, (47.3 mm x 31.8 mm x 27.0 mm)
Base to Connector Center	0.531" (13.5 mm)
Mounting Centers	0.575" x 0.825" (14.6 mm x 21.0 mm)
Weight	(with N connector): 2.2 oz. (62.5 g)



250 CT-SERIES (250 WATT)**

Power Rating	250 W max. @ 100°C flange temperature, derated to 0 W @ 150°C
Connectors	BNC, N, TNC, SMA
Frequency Range and VSWR	SMA: DC to 2 GHz at 1.15:1 max., 2 GHz to 3 GHz at 1.25:1 max.; All Others: DC to 1 GHz at 1.15:1 max., 1 GHz to 2.4 GHz at 1.25:1 max.
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	(includes connector) 2.36" L x 2.00" W x 1.062" H, (60.0 mm x 50.8 mm x 27.0 mm)
Base to Connector Center	SMA: 0.26" (6.6 mm), N: 0.515 (13.1 mm)
Mounting Centers	0.875" x 1.625" (22.3 mm x 41.3 mm)
Weight	(with N connector) 5.2 oz. (147.6 g)



300-T SERIES (300 WATT) (WT SERIES also available)

Connectors	BNC, N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 GHz to 2.4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Operating Position	Vertical
Coolant	Dry (Convection cooled)
Finish	Black semigloss paint per Federal Standard 595. Silver or Tri-alloy plated connector
Nominal Size	(with N-type connector): 10.9" H x 5.4" W x 16.8" D, (276.9 mm x 137.2 mm x 172.8 mm)
Weight	11.5 lbs. (5.23 kg)



MODEL 8135 (150 WATT)

Power Rating	150 W continuous
Frequency Range and VSWR	DC to 1 GHz at 1.1 max., 1 to 2.5 GHz at 1.2 max. 2.5 to 4 GHz at 1.3 max.
Ambient Temp.	-40°C to +45°C
Connector	QC type (Female N normally supplied)
Operating Position	Horizontal only
Load Coolant	0.1 gal. (380 ml) refined mineral oil
Finish	Gray powder coat
Nominal Size	9 1/2" L x 6 11/32" H x 3 15/16" W, (241 mm x 161 mm x 100 mm)
Weight	6.0 lbs. (2.7 kg)



MODEL 8141 (250 WATT)

Power Rating	250 W continuous
Frequency Range and VSWR	DC to 1 GHz at 1.1 max., 1 GHz to 1.8 GHz at 1.2 max., 1.8 to 2.5 GHz at 1.3 max.
Ambient Temp.	-40°C to +45°C
Connector	QC type (Female N normally supplied)
Operating Position	Horizontal only
Load Coolant	0.35 gal. (1.3 liters) silicone oil
Finish	Gray powder coat
Nominal Size	9 9/16" L x 8 1/2" H x 5 15/16" W, (243 mm x 216 mm x 151 mm)
Weight	10 lbs. (4.5 kg)



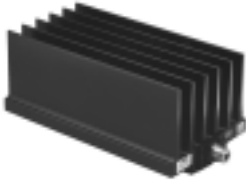
MODEL 8072A-1 (300 WATT)**

Power Rating	300 W continuous @ 100°C case temperature
Connectors	N female
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 to 2.5 GHz at 1.20:1 max.
Ambient Temp.	-40°C to +45°C
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy, Silver plated or Tri-alloy connectors
Nominal Size	(with N-type connector): 4.4" L x 2" W x 1.3" H, (110 mm x 51 mm x 26 mm)
Weight	12 oz. (340 g)



** When mounted to a suitable heatsink capable of maintaining a 100°C or lower flange temperature.

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500-WT SERIES (500 WATT)

Connectors	N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 2.5 GHz at 1.25:1 max.
Operating Position	Any, except mounting surface up
Coolant	Dry (Convection cooled)
Finish	Black anodized fins, tri-alloy plated connectors
Nominal Size	(with female N-type connector; excludes removable feet): 10.59" L x 5.4" W x 4.3" H, (266.7 mm x 137.2 mm x 109.3 mm)
4 Mounting Holes, Center and Size	1.812" x 7.687", typical 10-32 thread x 0.5" D
Weight	7.8 lbs. (3.6 kg)



MODEL 8201 (500 WATT)

Power Rating	500 W continuous
Frequency Range and VSWR	DC to 1 GHz at 1.1 max., 1 GHz to 2.5 GHz at 1.25 max.
Ambient Temp.	-40°C to +45°C
Connector	QC type (Female N normally supplied)
Operating Position	Horizontal only
Load Coolant	0.9 gal. (3.42 liters) refined mineral oil
Finish	Gray powder coat
Nominal Size	16 13/16" L x 5 15/16" W x 8 1/2" H
(includes connector)	(427 mm x 151 mm x 216 mm)
Weight	21 lbs. (9.5 kg)



MODEL 8401 (600 WATT)

Power Rating	600 W continuous
Frequency Range and VSWR	DC to 1 GHz at 1.1 max., 1 GHz to 2.8 GHz at 1.2 max., 2.8 GHz to 3 at 1.3 max.
Ambient Temp.	-40°C to +45°C
Connector	QC type (Female N normally supplied)
Operating Position	Horizontal only
Load Coolant	0.7 gal. (2.65 liters) refined mineral oil
Finish	Gray powder coat
Nominal Size	(16 13/16" H x 8 1/2" W x 5 15/16" D,
includes connector)	(427 mm x 216 mm x 151 mm)
Weight	20 lbs. (9.1 kg)



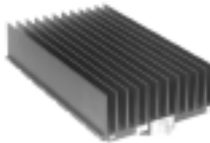
500-CT SERIES (500 WATT)**

Power Rating	500 W max. @ 100°C flange temperature, derated to 0 W @ 150°C
Connectors	BNC, N, TNC, SMA, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max.
Operating Position	Any
Coolant	Dry (Conduction cooled)
Finish	Silver or Tri-alloy plated
Nominal Size	N: 2.36" L x 2.00" W x 1.062" H, (60.0 mm x 50.8 mm x 27.0 mm); IEC 7/16: 2.80" L x 2.00" W x 1.20" H, (71.2 mm x 50.8 mm x 30.5 mm)
Base to Connector Center	N: 0.515 (13.1 mm) IEC 7/16: 0.675" (17.2 mm)
Mounting Centers	0.875" x 1.625" (22.3 mm x 41.3 mm)
Weight	N: 8.2 oz. (232.9 g), IEC 7/16: 6.0 oz. (170.3 g)



600-T-QFN (600 WATT)

Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 1 to 2.4 GHz at 1.25:1 max.
Ambient Temp.	-40°C to +40°C
Connector	QC type (Female N supplied)
Coolant	Dry (Convection cooled)
Finish	Black anodized fins, tri-alloy plated connector
Nominal Size	12.25" L x 9.65" W x 8.875" H
Weight	21.5 lbs.
Accessories	QC Connector (page 41)



1000-WT (1000 WATT)

Connectors	N, TNC, IEC 7/16
Frequency Range and VSWR	DC to 1 GHz at 1.10:1 max., 2.4 GHz at 1.25:1 max.
Operating Position	Any, except mounting surface up
Coolant	Dry (Convection cooled)
Finish	Black anodized fins, tri-alloy plated connectors
Nominal Size	(with female N-type connector; excludes removable feet): 17.98" L x 8.95" W x 4.3" H
4 Mounting Holes, Center and Size	1.885" x 14.65", typical 1/4 - 20 thread x 0.5" D
Weight	26.5 lbs. (12.1 kg)

