

# Space LTWTA Products

## Space Qualified TWT Product Listing



**communications**  
Electron Technologies, Inc.

Band	L-3 ETI Model	Freq (GHz)	Power Range (W)	Cooling	Efficiency	Size (inches) L x W x H	Mass (grams)
<b>L</b> (In development)	83200H	1.0 - 2.0	150 - 250	Conduction	68 - 70%	26.0 x 3.5 x 3.0	2950
	83200HR			Radiation		28.0 x 6.5 x 6.5	2795
<b>S</b>	8412HR	2.3 - 2.8	90 - 140	Radiation	63 - 66%	20.8 x 5.0 x 5.0	1250
	84250HR		200 - 300	Radiation	74%	27.0 x 5.0 x 5.0	2250
<b>C</b>	8555H	3.4 - 4.2	20 - 120	Conduction	66 - 70%	15.0 x 3.1 x 2.9	790
	8555HR			Radiation		18.3 x 5.0 x 5.0	1070
<b>X</b>	86100H / 86160H	7.0 - 9.0	25 - 165	Conduction	55 - 65%	14.6 x 3.0 x 3.2	965
	86160HR		100 - 165	Radiation	60 - 62%	17.2 x 5.0 x 5.0	1350
<b>Ku</b>	88150H	10.7 - 12.75	30 - 100	Conduction	60 - 70%	11.8 x 3.1 x 2.7	695
	88150HR		100 - 150	Radiation		14.8 x 3.0 x 2.5	980
<b>K</b>	9100H	17.0 - 22	30 - 130	Conduction	66%	11.3 x 3.0 x 2.5	760
	9100HR			Radiation		11.3 x 5.0 x 5.0	995
<b>Ka</b>	999H	22 - 40	20 - 200	Conduction	50 - 60%	14.1 x 3.5 x 2.7	1495

For additional information, please contact Chuck Scholz at (310) 517-5640 or [Charles.E.Scholz@L-3com.com](mailto:Charles.E.Scholz@L-3com.com) [www.L-3com.com/eti](http://www.L-3com.com/eti)

This presentation consists of L-3 Electron Technologies, Inc. general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7 -11

# Space LTWTA Products

## Space Qualified EPCs Product Listing



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Electron Technologies, Inc.

Bus Voltage	Configuration	DC Processed Power	Typical Efficiency	Mass	ETI Model
Regulated 35V, 50V, 75V & 100V	Single (1 TWT & 1 EPC)	up to 300W	94%	< 1200g	2000Hx
	Single (1 TWT & 1 EPC)	up to 500W	94%	< 1550g	2500Hx
	Dual (2 TWTs & 1 EPC)	up to 600W	94%	< 1750g	2400Hx
Unregulated 22v to 42V	Single (1 TWT & 1 EPC)	up to 120W	91%	< 1250g	2300Hx
	Single (1 TWT & 1 EPC)	up to 250W	93%	< 1450g	2302Hx

- Complete integration and test capability offering:
  - TWTAs, Linearized TWTAs, LCTWTAs (w/ channel amp)
  - Assembly, Integration and Test (AIT) capability with all space TWT manufacturers

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