

Oil Loads

- Wide range of available RF input connectors
- Compact design
- Capable of up to 10 dB peak to average power ratios
- Broadband operation
- Self-contained cooling system that includes cooling fans for higher power models



Altitude	1520 m (5000 ft.)	Finish	Gray Powder Coat
Humidity	95% noncondensing max	Load Coolant	8135, 8201, 8251: Refined Mineral Oil All Others: Silicone Oil
Impedance	50 Ohms Nominal	CE	EMC EN 61326-1:2006 (units w/blowers) and Safety EN 61010-1:2001 (all units)
Ambient Temperature Range	-40°C to +45°C		
Operating Position	Vertical Only		

	Power Rating	Frequency Range/VSWR	Cooling Method	Connector	Dimensions	Weight
8135	150 W	DC to 1 GHz at 1.1:1 max 1 to 2 GHz at 1.2:1 max 2.5 to 4 GHz at 1.3:1 max	Convection	QC - N(f)	9.6" x 6.5" x 4" 242mm x 164mm x 102mm	6.0 lbs. 2.7 kg
8141	250 W	DC to 1 GHz at 1.1:1 max 1 to 1.8 GHz at 1.2:1 max 1.8 to 2.5 GHz at 1.3:1 max	Convection	QC - N(f)	9.6" x 8.5" x 6" 243mm x 216mm x 151mm	10 lbs. 4.5 kg
8201	500 W	DC to 1 GHz at 1.1:1 max 1 to 2.5 GHz at 1.25:1 max	Convection	QC - N(f)	16.8" x 8.5" x 6" 427mm x 216mm x 151mm	20 lbs. 9.1 kg
8401	600 W	DC to 1 GHz at 1.1:1 max 1 to 2.8 GHz at 1.2:1 max 2.8 to 3 GHz at 1.3:1 max	Convection	QC - N(f)	16.2" x 8.5" x 6" 408mm x 216mm x 151mm	20 lbs. 9.1 kg
8251	1000 W	DC to 1 GHz at 1.1:1 max 1 to 2 GHz at 1.25:1 max 2 to 2.4 GHz at 1.3:1 max	Convection	QC - LC(f)	17.9" x 8.5" x 6" 455mm x 216mm x 151mm	25 lbs. 11.5 kg
8860 8861 8862 8863 8864	1500 W	DC to 1 GHz at 1.1:1 max 1 to 2 GHz at 1.25:1 max	Convection	QC - LC(f) 1-5/8 EIA Unflg 1-5/8 EIA Flg 3-1/8 EIA Unflg 3-1/8 EIA Flg	19.5" x 7.5" x 13.2" 496mm x 184mm x 334mm	32 lbs. 14.5 kg
8890-300 8891-300 8892-300 8895-300	2500 W		Convection	QC - LC(f) 3-1/8 EIA Flg 1-5/8 EIA Flg 1-5/8 EIA Unflg	25.2" x 7" x 17.2" 638mm x 178mm x 437mm	59 lbs. 27 kg
8890-315 8890-320 8891-315 8891-320 8892-315 8892-320 8895-315 8895-320 8897-315 8897-320	5000 W	DC to 1 GHz at 1.1:1 max 1 to 2 GHz at 1.25:1 max 2 to 2.4 GHz at 1.3 max	115 VAC Fan 230 VAC Fan 115 VAC Fan 230 VAC Fan 115 VAC Fan 230 VAC Fan 115 VAC Fan 230 VAC Fan	QC - LC(f) QC - LC(f) 3-1/8 EIA Flg 1-5/8 EIA Flg 1-5/8 EIA Unflg	25.2" x 7.4" x 22.7" 638mm x 187mm x 560mm	73 lbs. 33 kg
8921 8922 8926 8927	5000 W	DC to 1 GHz at 1.1:1 max	Convection	QC - LC(f) 1-5/8 EIA Flg 3-1/8 EIA Flg 3-1/8 EIA Unflg	32.8" x 9.5" x 26.9" 832mm x 241mm x 681mm	126 lbs. 57 kg
8931-115 8931-230 8932-115 8932-230 8936-115 8936-230 8937-115 8937-230	10000 W	DC to 400 MHz at 1.15:1 max, 400 MHz to 1 GHz at 1.2:1 max	115 VAC Fan 230 VAC Fan 115 VAC Fan 230 VAC Fan 115 VAC Fan 230 VAC Fan 115 VAC Fan 230 VAC Fan	QC - LC(f) QC - LC(f) 1-5/8 EIA Flg 1-5/8 EIA Flg 3-1/8 EIA Flg 3-1/8 EIA Flg 3-1/8 EIA Unflg 3-1/8 EIA Unflg	32.8" x 9.5" x 33.4" 832mm x 241mm x 847mm	142 lbs. 65 kg

Moduloads

- Forced-air heat exchanger cooled load for high-power applications up to 900 MHz
- High power RF dissipation with 10, 25 and 50 kW versions are available
- Available in models to work with 115 or 230 volts at 50 or 60 Hz
- Compact, low-profile design saves space in crowded transmitter sites
- Interlock control circuit provides fail-safe protection of the transmitter



Frequency Range 10kW - 1 kHz to 1000 MHz at 1.1:1 max

25 kW & 50 kW - 1 kHz to 900 MHz at 1.1:1 max

Finish Gray Powder Coat

Load Coolant 100 % Water

35% Ethylene Glycol / 65% Water

Operating Position Horizontal Only

CE EMC EN 61326-1:2006 and
Safety EN 61010-1:2001

	Input Power	[Power Rating] Operating Temperature	Connector	Dimensions (Lx- WxH)	Weight
8631B115	9.5 A @ 115V, 60Hz	[10 kW] 100% Water: +5°C to +45°C, 35% Ethylene Glycol / 65% Water: -20°C to +35°C	3-1/8" EIA Flg	24.6" x 15.9" x 17.5" 623 mm x 402 mm x 443 mm	113 lbs. 50.9 kg
8631B230	4.75A @ 230V, 50Hz				
8631B230-6	4.75A @ 230V, 60Hz				
8635B115	9.5 A @ 115V, 60Hz		1-5/8" EIA Flg		
8635B230	4.75A @ 230V, 50Hz				
8638B115	9.5 A @ 115V, 60Hz		3-1/8" EIA Unflg		
8638B230	4.75A @ 230V, 50Hz	[25 kW] 100% Water: +5°C to +30°C, 35% Ethylene Glycol / 65% Water: -20°C to +25°C		28.5" x 19.6" x 20.9" 723 mm x 497 mm x 528 mm	155 lbs. 70 kg
8638B230-6	4.75A @ 230V, 60Hz				
8645B115	11 A @ 115V, 60Hz		3-1/8" EIA Flg		
8645B230	5.5 A @ 230V, 50Hz				
8645B230-6	5.5 A @ 230V, 60Hz				
8646B115	11 A @ 115V, 60Hz		3-1/8" EIA Unflg		
8646B230	5.5 A @ 230V, 50Hz	[20 kW] 100% Water: +5°C to +45°C, 35% Ethylene Glycol / 65% Water: -20°C to +35°C		53" x 19.6" x 20.9" 1347 mm x 497 mm x 528 mm	275 lbs. 125 kg
8646B230-6	5.5 A @ 230V, 60Hz				
8655B115-6	15 A @ 115V, 60Hz		3-1/8" EIA Flg		
8655B230-5	8 A @ 230V, 50Hz				
8655B230-6	8 A @ 230V, 60Hz				
8656B115-6	15 A @ 115V, 60Hz		3-1/8" EIA Unflg		
8656B230-5	8 A @ 230V, 50Hz	[40kW] 100% Water: +5°C to +45°C, 35% Ethylene Glycol / 65% Water: -20°C to +35°C			
8656B230-6	8 A @ 230V, 60Hz				