

T800 Series II - Fixed Equipment

Exciters

Model	Frequency Band (MHz)	Type	Channel Spacing (kHz)			Frequency Stability (ppm)	
			25	20	12.5	2.5	1
T837	136 ~ 156	-10	•			•	
		-13		•		•	
		-15			•	•	
		-16*			•	2ppm	
	148 ~ 174	-20	•			•	
		-23		•		•	
		-25			•	•	
		-26*			•	2ppm	
T867	220 ~ 244	-10	•			•	
		-15			•	•	
	243 ~ 270	-20	•			•	
		-25			•	•	
	265 ~ 285	-30	•			•	
T877	330 ~ 380	-20	•			•	
		-25			•	•	
T857	400 ~ 440	-10	•			•	
		-13		•		•	
		-15			•	•	
	440 ~ 480	-20	•			•	
		-23		•		•	
		-25			•	•	
	480 ~ 520	-30	•			•	
		-35			•	•	

Power Amplifiers

Model	Frequency Band (MHz)	Type	Power (Watt)
T838	136 ~ 156	-10	50
	148 ~ 174	-20	50
T839	136 ~ 156	-10	100
	148 ~ 174	-20	100
T869	220 ~ 244	-10	100
	243 ~ 270	-20	100
	265 ~ 285	-30	100
T878	330 ~ 380	-20	50
T858	400 ~ 440	-10	50
	440 ~ 480	-20	50
	480 ~ 520	-30	50
T859	400 ~ 440	-10	100
	440 ~ 480	-20	100
	480 ~ 520	-30	100

Transmitters

Model	Frequency Band (MHz)	Type	Channel Spacing (kHz)			Frequency Stability (ppm)		Power (W)
			25	20	12.5	2.5 -30~-60°C	1 -20~-60°C	
T836	136 ~ 156	-10	•			•		25
		-13		•		•		25
		-15			•	•		25
		-16*			•	2ppm		25
	148 ~ 174	-20	•			•		25
		-23		•		•		25
		-25			•	•		25
		-26*			•	2ppm		25
T856	400 ~ 440	-10	•			•		25
		-13		•		•		25
		-15			•	•		25
	440 ~ 480	-20	•			•		25
		-23		•		•		25
		-25			•	•		25
	480 ~ 520	-30	•			•		25
		-35			•	•		25

* W/B audio characteristic - FCC requirement

Power Supplies

Model	Description	Input	Output
T807-10-0000	Switch Mode PSU	120V / 240V	13.8V / 15A
T808-10-0000	Switch Mode PSU	120V / 240V	13.8V / 25A
T800-23-0010	Slimline, PSU	120 ~ 240V	13.8V / 6A

T800 Series II - Current Options

Option Nr. T8xx-xx-	Description	Front Panel
0000	Standard Tait Option	Series 2
0100	Exciter / PA - front drive; cyclic keying	Series 1
0200	2nd D-range kit factory fitted	Series 2
0250	2nd D-range kit factory fitted with RSSI board	Series 2
0300	Full Series 1 compatible Ex/PA - front drive; no cyclic keying; audio linked; Guides included	Series 1
0400	Front Drive	Series 2
0500	Cyclic Keying Disabled	Series 2
0600	Transmitter full Quasi Synchronous	Series 2
0602	External reference plug fitted but not connected	Series 2

This table is not intended to suggest that all or any options are necessarily available in any one product. Please check with RSD for more information regarding availability of specific models, types and options.

Receivers

Model	Frequency Band (MHz)	Type	Channel Spacing (kHz)			Frequency Stability (ppm)	
			25	20	12.5	2.5 -30~-60°C	1 -20~-60°C
T835	136 ~ 156	-10	•			•	
		-13		•		•	
		-15			•	•	
	148 ~ 174	-20	•			•	
		-23		•		•	
		-25			•	•	
T865	220 ~ 244	-10	•			•	
		-15			•	•	
	243 ~ 270	-20	•			•	
-25				•	•		
T875	330 ~ 380	-20	•			•	
		-25			•	•	
T855	400 ~ 440	-10	•			•	
		-13		•		•	
		-15			•	•	
	440 ~ 480	-20	•			•	
		-23		•		•	
		-25			•	•	
	480 ~ 530	-30	•			•	
		-35			•	•	

Ancillaries

Programming Kits

T800-01-0000	T800 Std. programming kit for Windows
T800-01-0001	T800 programming kit & module interface
T800-01-0002	T800 programming cable only
T800-01-0003	T800 programming cable & module interface
T800-01-0004	T800 module interface

General Ancillary Kits

T800-03-0000	Auxiliary D-range kit
T800-04-0000	RSSI assembly for T800 series
T800-06-0000	External Reference Input Kit
T800-06-0001	External Reference Input Kit; coax connector
T800-10-0000	Channel Select PCB / Internal
T818-01-0000	Tx / Rx metering & monitor unit
T800-01-0010	Calibration Test Unit
T004-72	Coaxial relay
TA087-01-0000	Channel Change and Speaker Panel, 100 channels
TA142-01-0000	T800 Data Interface
TA387-01-0000	Channel Change and Speaker Panel, 10 channels
TA320-10-0000	200W Power Combiner, 62 - 125MHz
TA320-11-0000	200W Power Combiner, 136 - 174MHz
TA320-12-0000	200 W Power Combiner, 225 - 400MHz
TA703-01-0000	T800 Changeover Module

Series 2 Front Panel Conversion Kits for Series 1 Modules

T800-70-0000	Receiver
T800-71-0000	Transmitter
T800-72-0000	Exciter (rear O/P)
T800-73-0000	Exciter (front O/P)
T800-74-0000	PA 50W (rear I/P)
T800-75-0000	PA 50W (front I/P)
T800-76-0000	PA 100W (rear I/P)
T800-77-0000	PA 100W (front I/P)

Series 1 Front Panel Conversion Kits for Series 2 Modules

Numbering convention = T800-70-00XY

X = T820 (Frequency Band)

Y = T825 (Type)

Example

Converting a T825 Series// to a Series/ front panel uses a

T800-70-0025 Front Panel Conversion Kit

Racks

T800-22-0000	Std. Base Station / Repeater, assembled
T800-22-0001	Std. Base Station / Repeater, flat pack
T800-22-0002	Std. mechanical parts only, assembled
T800-22-0003	Std. mechanical parts only, flat pack
T800-22-0004	Std. basic rack frame only, assembled
T800-22-0005	Std. basic rack frame only, flat pack
T800-23-0000	Slimline assembly kit

Rack Ancillaries

T800-08-0000	Ancillary box with front panel assembly
T800-13-0000	Extender rail kit with 2 D-range sockets
T800-14-0000	Extender rail with 11Way D-Range for external reference
T800-17-0000	Panel Circuit Breaker Kit 10 Amp
T800-17-0020	Panel Circuit Breaker Kit 20 Amp
T800-19-0000	Rack fan kit - rail mounted

Rack PCB's

T800-50-0000	Std. Rack Backplane PCB
T800-50-0001	Back Plane PCB with Channel Panel Options
T800-52-0000	Back Plane Quasi TX / Alarm / Channel Panel
T800-60-0000	Personality PCB for Monitor & Channel Select

Front Panel Kits

T800-15-0000	Speaker / Programming port
T800-15-0001	Speaker
T800-40-0000	Fitting Kit only for Blank Panel
T800-40-0001	Blank Panel with Fitting Kit

Guide Kits

T800-41-0001	Single Guide Kit
T800-41-0002	Double Guide Kit
T800-41-0003	Triple Guide Kit
T800-41-0004	Quad Guide Kit
T800-42-0000	Duplexer Guide Kit
T800-42-0001	Duplexer Guide Kit with Duplexer Front Panel
T800-42-0002	Duplexer Guide Kit with Blanking Front Panel
T800-43-0000	T1500/T300 Module Guide Kit with 2 D-ranges
T800-43-0001	T1500/T300 Module Guide Kit with 1 D-range
T800-44-0000	Power Supply (T807/8) Guide Kit
T800-45-0000	PA (50W) Guide Kit
T800-45-0001	PA (100W) Guide Kit

Cabinets

T991-02	Desktop 6U cabinet
T991-03	1 unit blank front panel
T991-06	Cabinet 6U, with door & lock

Paging

T800-30-0000	DFSK Paging, Standard (Speech and Data)
T800-30-0002	DFSK Paging, Ext Ref, Standard (Speech and Data)
T800-32-0000	Low Speed Paging Modulator Kit Assembly (Data Only)
T800-32-0010	Low Speed Paging Modulator with External Reference (Data Only)
T801-20-0000	10 MHz High Stability Oscillator - <i>Not yet released</i>

To discuss the availability of products in other frequencies please contact the RSD Sales and Marketing Department.