

LNKC1800

LNKC1800 Banded Repeater

MODULE SPECIFICATIONS

Frequency Range (MHz)	NA
Downlink Frequency Range (MHz)	1805-1880
Uplink Frequency Range (MHz)	1710-1785
Bandwidth	0.25 MHz, 1.25 MHz, 5 MHz, 15 MHz
RF Gain Adjustment Range	+65 dB to +95 dB, in 1 dB increments
AGC Control Adjustment Range	NA
RF Frequency Stability	Tracks input signal exactly
Maximum RF Output Power	NA
RF Output Power Range	NA
RF Output Power Variation	NA
Output Power 1	NA
Output Power 2	NA
Output Power 3	NA
Input Dynamic Range	NA
Input Sensitivity Adjust Range	NA
Input Hysteresis	NA
Adjacent Channel Sensitivity	NA
ID 3rd Order Intercept Point IP3	+44 dBm
Noise Figure	<6 dB
Transmit Duty Cycle	Continuous
Transmit Spurious	-13 dBm Maximum
Receive Conducted Spurious	-57 dBm Maximum
Group Delay	<5 μ s for 0.25 MHz or 1.25 MHz Models, <3 μ s for 5 MHz or 15 MHz Models
Audio Distortion and Noise	NA
Power Supply Module Requirements	40Watts Maximum
RF Connectors	SMA (50 Ohm) Connectors on back of Chassis
Connections	DB-15 Connector on back of Chassis provides Per-Module Fault Relay, Interconnect to other Modules, and RS-232 connection.
Front Panel Indicators	Operating, Stand By, Fault, Program Mode
Configuration Options	Modules may be configured via optional Gateway Module, or via PC and an RS-232 Connection

MECHANICAL CHARACTERISTICS

Dimensions HxWxD in (mm)	2" x 9.11" x 14" (51 x 231.4 x 355.6)
Weight (lbs)	10
Operating Temperature Range (Celsius)	-10°C to +50°
Operating Humidity Range	10 to 90% RH, Non-Condensing

ACCEPTANCE TYPE

FCC Type Acceptance	NA
IC Type Acceptance	NA

* Module Family	Type	Frequency
LNKC1800-D.2	Downlink 0.25 MHz Bandwidth	1805-1880 MHz
LNKC1800-D	Downlink 1.25 MHz Bandwidth	1805-1880 MHz
LNKC1800-D5	Downlink 5 MHz Bandwidth	1805-1880 MHz
LNKC1800-D15	Downlink 15 MHz Bandwidth	1805-1880 MHz
LNKC1800-U.2	Uplink 0.25 MHz Bandwidth	1710-1785 MHz
LNKC1800-U	Uplink 1.25 MHz Bandwidth	1710-1785 MHz
LNKC1800-U5	Uplink 5 MHz Bandwidth	1710-1785 MHz
LNKC1800-U15	Uplink 15 MHz Bandwidth	1710-1785 MHz

All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.