

LNKF100

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MODULE SPECIFICATIONS

Frequency Range (MHz)	136 - 157, 155 - 174
Downlink Frequency Range (MHz)	NA
Uplink Frequency Range (MHz)	NA
Bandwidth	Narrowband FM 12.5 or 25 KHz
RF Gain Adjustment Range	NA
AGC Control Adjustment Range	NA
RF Frequency Stability	NA
Maximum RF Output Power	+37 dBm
RF Output Power Range	+20 dBm to +37 dBm
RF Output Power Variation	+/- 1 dB
Output Power 1	NA
Output Power 2	NA
Output Power 3	NA
Input Dynamic Range	-110 dBm to -30 dBm
Input Sensitivity Adjust Range	-110 dBm to -50 dBm
Input Hysteresis	1 dB to 10 dB
Adjacent Channel Sensitivity	60 dB minimum for 25 KHz modules, 55 dB for 12.5 KHz modules
ID 3rd Order Intercept Point IP3	NA
Noise Figure	NA
Transmit Duty Cycle	Continuous
Transmit Spurious	-13 dBm max for 25 KHz modules, -20 dBm max for 12.5 KHz modules
Receive Conducted Spurious	-57 dBm Maximum
Group Delay	<120 microsecs for 25 KHz modules, <160 microsecs for 12.5 KHz modules
Audio Distortion and Noise	<4% increase for 25 KHz modules, <5% increase for 12.5 KHz modules
Power Supply Module Requirements	45 Watts 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, Receive, Transmit
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
LNKF100-A1	25 KHz FM channels	136-157 MHz
LNKF100-A2	12.5 KHz FM channels	136-157 MHz
LNKF100-B1	25 KHz FM channels	155-174 MHz
LNKF100-B2	12.5 KHz FM channels	155-174 MHz
NA	NA	NA
NA	NA	NA
NA	NA	NA
NA	NA	NA

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