

ProLine PL2245 / PL1145



specifications

general

	UHF model PL1145	UHF model PL2245
Frequency Range (UHF)	8 Pre-programmed: 464.5000 MHz, 464.5500 MHz, 467.7625 MHz 467.8125 MHz, 467.8500 MHz, 467.8750 MHz 467.9000 MHz, 467.9250 MHz	8 Pre-programmed:
Channels	1	2
Channel Spacing	25 / 12.5 kHz	25 / 12.5 kHz
PLL Step	5.0 / 6.25 kHz	5.0 / 6.25 kHz
Channel Separation	3.425 MHz	3.425 MHz
Antenna Impedance	50 Ω	50 Ω
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal
Battery Life (with 750 mAh NiMH battery)	14 Hours (90-5-5 duty cycle)	11 Hours (90-5-5 duty cycle)
(with optional 1350 mAh NiMH battery)	25 Hours (90-5-5 duty cycle)	19 Hours (90-5-5 duty cycle)
Operating Temperature	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability (-30° C to +60° C)	± 5.0 ppm	± 5.0 ppm
Dimensions (H x W x D) (with battery)	4-7/8" x 2-1/4" x 1-1/4" (125 x 58 x 32 mm)	
Weight (with 750 mAh NiMH battery and antenna)	13.6 oz. (380 gm)	
FCC Identifier	O7KPL450	O7KPL450
FCC Compliance	Parts 22, 74, 90	Parts 22, 74, 90, 95
IC Certification Number	pending	pending

features / functions

- 2 Channel, 2 Watt model PL2245;
1 Channel, 1 Watt model PL1145
- Programmable 12.5 kHz / 25 kHz channel spacing
- Meets MIL-STD810F specifications
- 38 Standard, 11 non-standard CTCSS tones
- Locking single-pin accessory connector
- TX Inhibit
- Time-out-timer
- Battery save circuitry
- Die-cast aluminum frame, polycarbonate cabinet
- Tri-color LED
- Spring steel belt clip
- Manufactured under ISO 9002 quality standards
- FCC Certified for use in U.S.A and its possessions



ISO 9002
Certification

MIL-STD methods / procedures

The ProLine PL1145 and PL2245 meet the following:

Standard	810F Method / Procedure
Light Rain	506.4 / Proc. II
Humidity	507.4 / Proc. I
Dust	510.4 / Proc. I
Vibration	514.4 / Proc. I
Shock	516.4 / Proc. I, IV

receiver (measurement procedures made per ANSI/TIA / EIA-603)

Sensitivity 12 dB SINAD	.25 μ V @ 12.5 kHz; .28 μ V @ 25 kHz
Selectivity	>55 dB @ 12.5 kHz; >60 dB @ 25 kHz
Intermodulation	55 dB @ 12.5 kHz; 60 dB @ 25 kHz
Spurious Response	60 dB 60 dB
Audio Output	500 mW (Int.) @ 8 Ω ; 500 mW (Ext.) @ 8 Ω (Method @ <10% THD level)

transmitter (measurement procedures made per ANSI/TIA / EIA-603)

RF Output	1 Watt	2 Watts
Spurious and Harmonic Emissions	43 dB	43 dB
Modulation	16K0F3E, 11K0F3E	
FM Hum and Noise	>34 dB @ 12.5 kHz; >40 dB @ 25 kHz	
Audio Distortion	<5%	<5%

Specifications are subject to change without notice.

accessories / options

Batteries: 750 mAh NiMH Battery pack (ACC-201); 1350 mAh NiMH Battery pack (ACC-202)

Antenna: UHF Antenna, 6", 465 MHz (ACC-146)

Chargers: Single unit desktop "slow" charger (ACC-410); Single unit desktop "fast" charger (ACC-412)

Audio: Lapel speaker microphone with ear jack, locking connector (ACC-726)

Carrying: Belt clip (720-0000-003)

For more information, contact:



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