

# ProLine PL2245 / PL1145



## specifications

general	UHF model PL1145	UHF model PL2245	receiver (measurement procedures made per ANSI/TIA/EIA-603)	
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:	Sensitivity 12 dB SINAD	.25 $\mu$ V @ 12.5 kHz; .28 $\mu$ V @ 25 kHz
Channels	1	2	Selectivity	>55 dB @ 12.5 kHz; >60 dB @ 25 kHz
Channel Spacing	25 / 12.5 kHz	25 / 12.5 kHz	Intermodulation	55 dB @ 12.5 kHz; 60 dB @ 25 kHz
PLL Step	5.0 / 6.25 kHz	5.0 / 6.25 kHz	Spurious Response	60 dB 60 dB
Channel Separation	3.425 MHz	3.425 MHz	Audio Output	500 mW (Int.) @ 8 $\Omega$ ; 500 mW (Ext.) @ 8 $\Omega$ (Method @ <10% THD level)
Antenna Impedance	50 $\Omega$	50 $\Omega$	<b>transmitter</b> (measurement procedures made per ANSI/TIA/EIA-603)	
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal	RF Output	1 Watt 2 Watts
Battery Life (with 750 mAh NiMH battery)	14 Hours (90-5-5 duty cycle)	11 Hours (90-5-5 duty cycle)	Spurious and Harmonic Emissions	43 dB 43 dB
(with optional 1350 mAh NiMH battery)	25 Hours (90-5-5 duty cycle)	19 Hours (90-5-5 duty cycle)	Modulation	16KOF3E, 11KOF3E
Operating Temperature	-22° F to +140° F (-30° C to +60° C)		FM Hum and Noise	>34 dB @ 12.5 kHz; >40 dB @ 25 kHz
Frequency Stability (-30° C to +60° C)	$\pm$ 5.0 ppm	$\pm$ 5.0 ppm	Audio Distortion	<5% <5%
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)		Specifications are subject to change without notice.	
Weight (with 750 mAh NiMH battery and antenna)	13.6 oz. (380 gm)		<b>accessories / options</b>	
FCC Identifier	O7KPL450	O7KPL450	<b>Batteries:</b> 750 mAh NiMH Battery pack (ACC-201); 1350 mAh NiMH Battery pack (ACC-202)	
FCC Compliance	Parts 22, 74, 90	Parts 22, 74, 90, 95	<b>Antenna:</b> UHF Antenna, 6", 465 MHz (ACC-146)	
IC Certification Number	pending	pending	<b>Chargers:</b> Single unit desktop "slow" charger (ACC-410); Single unit desktop "fast" charger (ACC-412)	
			<b>Audio:</b> Lapel speaker microphone with ear jack, locking connector (ACC-726)	
			<b>Carrying:</b> Belt clip (720-0000-003)	

## 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

For more information, contact:



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