



MOTOROLA CLS SERIES TWO-WAY RADIOS

In today's competitive business environment, easy, quick and affordable communication is very important. The CLS Series is designed to enable quick, onetouch communications leading to increased productivity and great customer service.

SIMPLIFY DAILY TASKS

CLS Series radios are remarkably intuitive to use. At the touch of a button, you can communicate with individual employees or a group of employees. With little to no training required, it is ideal for high employee turnover industries. It will help you eliminate wasted time and inefficient processes.

REDUCE COSTS

Utilize resources more efficiently and productively, and get the most out of your employees. Plus, there are no monthly fees or service contracts to worry about. Employees can communicate as often as necessary without worries about airtime.

OFFER BEST IN CLASS CUSTOMER SERVICE

Customer needs will be better and more quickly served by enabling instant communication between employees. Increase customer as well as employee satisfaction.

PERFECT FOR YOUR BUSINESS, WHETHER IT BE A RETAIL, GROCERY, RESTAURANT OR HOTEL

Raise the level of customer service by enabling communications instantly. All activities, from welcoming customers to addressing their requests, are enhanced with CLS Series radios.

In retail or grocery stores, cashiers can perform price checks at a moment's notice. Employees can instantly check stock when customers ask. In restaurants, CLS radios allow hosts, managers, kitchen and wait staff to instantly connect, minimizing wait times, getting food out quicker and controlling the pace of large parties. In hotels, coordinate restaurant and hotel staff, event planners, security, cleaning and maintenance personnel through efficient communication with minimal guest interference. The CLS Series radios make everything from arrival to departure seamless.

ENERAL SPECIFICATIONS equency Range annel Capacity annel Bandwidth	UHF 459.5 - 469.5 1 12.5 kHz	UHF 459.5 - 469.5 4	UHF 459.5 - 469.5		
annel Capacity	1				
		4			
annel Bandwidth	12.5 kHz		4		
		12.5 kHz	12.5 kHz		
Codes	38	38	38		
'L Codes	83	83	83		
nge Coverage	200,000 sq ft² / 18.580 sq m	200,000 sq ft² / 18.580 sq m	200,000 sq ft² / 18.580 sq i		
erage Battery Life @ 5/5/90 1800 mAh Battery (PMNN4497)	18 hours	18 hours	18 hours		
dio Dimensions (H x W x D):	4.1"x2.0"x1.1" inches	4.1"x2.0"x1.1" inches	4.1"x2.0"x1.1" inches		
eight	Less than 5 oz.	Less than 5 oz.	Less than 5 oz.		
RANSMITTER					
Output Conducted into 50 O	ms 1.0 Watts	1.0 Watts	1.0 Watts		
equency Stability	< 2.0 ppm	< 2.0 ppm	< 2.0 ppm		
urs & Harmonics	<-45 dBc	< -45 dBc	<-45 dBc		
/ Hum & Noise @ 12.5kHz without (ompanding -40 dB	-40 dB	-40 dB		
@ 25.0kHz	N/A	N/A	N/A		
odulation Limiting @ 12.5kHz	± 2.5kHz	± 2.5kHz	± 2.5kHz		
@ 25.0kHz	N/A	N/A	N/A		
ljacent Channel Power	60dBc	60dBc	60dBc		
diated Spurious Emissions @ 12.5kHz	< -20dbm	< -20dbm	< -20dbm		
@ 25.0kHz	N/A	N/A	N/A		
idio Frequency Response (0.3 - 3.0 kHz)	+1 to -3 dB	+1 to -3 dB	+1 to -3 dB		
idio Distortion	<2%	<2%	<2%		
ECEIVER					
nsitivity (12 dB SINAD)	-122 dBm (0.18 uV)	-122 dBm (0.18 uV)	-122 dBm (0.18 uV)		
ljacent Channel Selectivity @ 12.5kHz	65 dB	65 dB	65 dB		
@ 25.0kHz	N/A	N/A	N/A		
ermodulation rejection	60dB	60dB	60dB		
urious response Rejection (blocking 1Mhz)	85 db	85 db	85 db		
dio Distortion	< 5%	< 5%	< 5%		
iQ Hum & Noise @ 12.5kHz	-50dB	-50dB	-50dB		
Hum & Noise @ 12.5kHz	N/A	N/A	N/A		
PL Hum & Noise @ 12.5kHz	- 45dB	- 45dB	- 45dB		
diated Spurious Emissions (< 1GHz)	< -54 dBm	< -54 dBm	< -54 dBm		
diated Spurious Emissions (> 1GHz)	< -52 dBm	< -52 dBm	< -52 dBm		
idio Output @ <5% Distortion	0.5W @ 8 ohms	0.5W @ 8 ohms	0.5W @ 8 ohms		

MILITARY STANDARDS

MILITARY STANDARDS										
	810-C		810-D		810-E		810-F		810-G	
	METHOD	PROCEDURES								
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II	500.5	I, II
High Temperature	501.1	I, II	501.2	I, II	501.3	I, II	501.4	I, II	501.5	I, II
Low Temperature	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II	502.5	I, II
Temperature Shock	503.1	I	503.2	I	503.3	I	503.4	I, II	503.5	I
Contamination by Fluids									504.1	11
Solar Radiation	505.1	I	505.2	I	505.3	1	505.4	I	505.5	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4		506.5	
Humidity	507.1	I, II	507.2	11, 111	507.3	II, III	507.4		507.5	11
Dust	510.1	I	510.2	1	510.3	1	510.4	I, III	510.5	I
Vibration	514.2	VIII, X	514.3	I	514.4	1	514.5	I	514.6	1
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

CLS radios meet test methods from Military Standards 810 C, D, E, F, and G for 11 items including shock, vibration, extreme temperatures and dust. CLS radios also satisfy environmental and energy efficiency certifications (CE/CEC, ROHs and WEEE).

NS				
-30°C to +60°C (Radio)				
-40°C to +85°C (Radio)				
Per MIL STDs	5 foot drop to concrete			
Per MIL STDs	IP5X IPX2			
Designed to meet NEMA3 types 1, 2, 5				
	-40°C Per MIL STDs Per MIL STDs			

¹ Available in Canada Only

² Range will vary based on terrain and conditions.

³ National Electrical Manufacturers Association

CLS radios' tough polycarbonate housings contain built-in anti-microbial properties that inhibit the growth of bacteria and mold on the radio surfaces (does not include accessories).

CLS chargers and power supplies are ROHS and CEC (California Energy Comission) Power Level V energy efficient compliant.

Specifications subject to change without notice. All specifications shown are typical.

PRODUCT DATA SHEET CLS SERIES

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