



# MINIATURE AGILE MMDS TRANSMITTERS

FCC TYPE ACCEPTED

## LSI-10D

AS THE WORLD'S SMALLEST 10 WATT, AGILE MMDS TRANSMITTER, THE LSI-10D REQUIRES ONLY THREE RACK UNITS OF VERTICAL SPACE AND FITS FOUR ACROSS IN A PLUG-IN SUBRACK. 31 CHANNELS WILL FIT IN JUST 24 RACK UNITS OR 42" IN HEIGHT. THUS, A STANDARD 70" EQUIPMENT RACK HAS ROOM TO SPARE, EVEN FOR FULL BANDWIDTH SYSTEMS. THE "PLUG AND PLAY" QUICK SLIDE-IN FEATURE PROVIDES THE OPERATOR WITH A VERY LOW MTTR (MEAN TIME TO REPLACE).



LSI-10D (4 units in subrack)

## L245

THE L245 REPRESENTS A TRUE BREAKTHROUGH FOR VIDEO SURVEILLANCE, INDOOR COMMUNICATIONS, AND OTHER REMOTE PICK-UP SERVICES. THE L245 IS FCC TYPE ACCEPTED AT 100 MILLIWATTS. AN AGILE, NTSC TRANSMITTER, THE L245 MEETS THE ADDITIONAL REQUIREMENTS FOR SMALL SIZE, LOW WEIGHT, BATTERY POWER AND THE USE OF UP TO FIVE SIMULTANEOUS CHANNELS IN AN FCC APPROVED BAND, 2452-2482 MHz. AS AN OPTION, THE L245 CAN BE ORDERED FOR THE STANDARD MMDS SPECTRUM 2500-2686 MHz.



L245

*WITH LOMA SCIENTIFIC'S CONTINUING COMMITMENT TO QUALITY, THE LSI-10D AND L245 TELEVISION TRANSMITTERS MAINTAIN PREMIUM BROADCASTING PERFORMANCE AT A REDUCED PRICE PER WATT, ALL INSIDE A COST EFFECTIVE PACKAGE.*

*CONTACT YOUR LOMA SCIENTIFIC INTERNATIONAL SALES REPRESENTATIVE FOR MORE INFORMATION ON OUR COMPLETE LINE OF BROADCAST TRANSMITTERS, SYSTEM ACCESSORIES AND CUSTOM RF PRODUCTS.*

<b>RF Performance</b>	<b>LSI-10D</b>	<b>L245</b>
Output Power	10 Watts	100 milliWatts
Operating Frequency	2500-2686 MHz	2452-2482 MHz or 2500 to 2686 MHz
Output Impedance, Connector	50 Ohm, Type 'N' Jack	50 Ohm, Type 'SMA' Jack
Signal to Noise	> 50 dB	
Spurious Products	< - 50 dBc	
Differential Gain	5% Maximum	
Differential Phase	5° Maximum	
<b>Baseband Video</b>		
Input Type	Composite	
Input Level	1 V Peak to Peak	
Input Impedance	75 Ohm	
Frequency Response	± 1 dB	
Modulation Range	Up To 95%	
<b>Baseband Audio</b>		
Input Type	High Z, Unbalanced	
Input Level	300 mV RMS	
Frequency Response	± 1 dB	
Preemphasis	75 Microseconds	
Harmonic Distortion	1% Maximum	
FM Hum and Noise	-50 dB Minimum below 25 KHz Deviation	
<b>General</b>		
Ambient Temperature	-30° to +50° C	10° to 40° C
Relative Humidity (non-condensing)	95% Maximum	95% Maximum
Power Requirements:	120 VAC ± 15% 50/60 Hz, 200 Watts	+14 to +18 VDC 17 Watts Typical
<b>Mechanical Dimensions</b>		
Size W x H x D	4.25" x 5.25" X 20" (Subrack enclosure to house four LSI-10 = 19" x 5.25" x 22")	3.4" x 2.9" x 6.5"
Weight	12 lbs.	3.4 lbs
<b>Ordering Information</b>		
FCC Type Accepted for NTSC	LSI-10D	L245U
All International Standards, PAL, SECAM	LSI-10E	L245E

\* All specifications subject to change without notice.