

## KLM 2M-16LBX SPECIFICATIONS

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### ELECTRICAL SPECIFICATIONS

SPECIFIED FREQUENCY RANGE: 144-146 MHZ  
USEABLE FREQUENCY RANGE: 143-148 MHZ  
FRONT/BACK RATIO: 20 DB (MIN)  
FRONT/SIDE RATIO: 30 DB (MIN)  
FIRST SIDE LOBES: -17 DB  
GAIN @ 144 MHZ: 14.5 DB  
GAIN @ 145 MHZ: 14.5 DB  
GAIN @ 146 MHZ: 14.4 DB  
GAIN @ 147 MHZ: 14.3 DB  
GAIN @ 148 MHZ: 13.2 DB  
E PLANE BEAMWIDTH: 26 DEGREES  
H PLANE BEAMWIDTH: 29 DEGREES

FEED IMPEDANCE: 50 OHMS UNBALANCED (USING 4:1 RG303 SILVER/TEFLON BALUN)

### MECHANICAL SPECIFICATIONS

BOOM LENGTH: 28' (337") 4.08 WAVE LENGTHS  
DRIVEN ELEMENTS: 2, DUAL DRIVEN 3/8" DIAMETER TUBE  
PARASITIC ELEMENTS: 14, 3/16" ROD, INSULATED  
WEIGHT: 10 POUNDS  
TURNING RADIUS: 185"  
WIND LOAD: 1.75 SQ. FT. (HORIZONTALLY POLARIZED)  
2.44 SQ. FT. (VERTICALLY POLARIZED)