



Mega manufactures a full line of x-band flexible waveguides, including: straight sections, offsets, sweeps and flexible twists. We also offer half height and custom sizes upon request.

Our x-band flexible waveguide design is field proven to meet the highest standards in the industry, with material options of aluminum or copper alloys. Standard flex product finish is a chemical resistant epoxy paint system. Urethane and neoprene jacketing systems are also offered.

In the production process, we use a process of brazing the seam off-center. This assures excellent electrical performance for high power applications. It also improves joint longevity and eliminates the potential for splits or leaks. See the tables below for power levels and typical bending radius.

VSWR (per 2 foot section)	1.10
Attenuation (dB per foot)	0.09
Average Power (Kilowatts)	3
Peak Power (Megawatts)	0.18
E-Plane w/ Jacket Bend Radius	1.75 inches (44.45 mm)
H-Plane w/ Jacket Bend Radius	2.50 inches (63.50 mm)
E-Plane No Jacket Bend Radius	1.25 inches (31.75 mm)
H-Plane No Jacket Bend Radius	1.50 inches (38.10 mm)

