



# Flexible Waveguide

Micro Communications, Inc.

Microwave A MICROWAVE TECHNIQUES COMPANY

- FULL FLEX STYLE
- ANODIZED OR PAINTED
- CUSTOM FLANGE SIZES



The MCI Flex Waveguide section allows for flexible movement in both the “E” and “H” planes. Flex sections are constructed of corrugated material and all seams are braze welded. Flat or gasket EIA flanges are then welded to both ends. All materials and surfaces are designed for long life under heavy loads. Various flex section lengths are available to custom fit the desired configuration.

Available in a wide range of high power component sizes ranging from WR430 through WR2300.

Full Flex Waveguide				
Size EIA WR	Frequency Range (Ghz)	MCI Model # <i>/1</i>	Typical VSWR over a 10% BW <i>/2</i>	Attenuation (per foot) <i>/3</i>
430	1.70-2.60	56F13-X	1.07	0.01
650	1.12-1.70	56F14-X	1.06	0.01
770	0.96-1.45	56F15-X	1.05	0.01
975	0.75-1.12	56F16-X	1.05	0.01
1150	0.64-0.96	56F17-X	1.05	0.01
1500	0.49-0.75	56F18-X	1.05	0.01
1800	0.41-0.62	56F19-X	1.05	0.01
2100	0.35-0.53	56F10-X	1.05	0.01
2300	0.32-0.49	56F11-X	1.05	0.01

- High Power Capability
- Low VSWR
- Corrects Misalignments
- Tolerances – per EIA Standards
- Fully Tested Design

Dimension in inches (mm)  
*/1*: "X" denotes length in inches (restrictions may apply)  
*/2*: typical or a 24" line section  
*/3*: dB per ft