

Flexible Waveguide up to 110 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
WR284 down to WR28 (1.12 GHz to 110 GHz)
- **Electrical Performance**
Low VSWR across operating band, minimal insertion loss
- **Available Types**
Standard flexible waveguides, seamless waveguides (WR770-WR28), flexible double-ridged waveguides
- **Environmental Rating**
Suitable for outdoor, airborne, and harsh operational conditions
- **Construction**
Seamless, corrugated inner conductor with protective outer sleeve
- **Bend Radius**
Significantly reduced compared to rigid waveguides
- **Connector Options**
UG-flange interfaces, SMA compatibility for select bands

APPLICATIONS

SATCOM & Satellite Payloads:
Ground stations and satellite
communication systems
requiring compact
interconnections

Defense & Radar: Military radar
and electronic warfare systems
with stringent spatial constraints

5G/6G Infrastructure: Base
station installations and
distributed antenna systems
(DAS)

Test & Measurement: LNA/HPA
characterization and mmWave
device validation in laboratory
environments

Airborne & Shipboard Systems:
RF systems where weight and
space optimization are critical