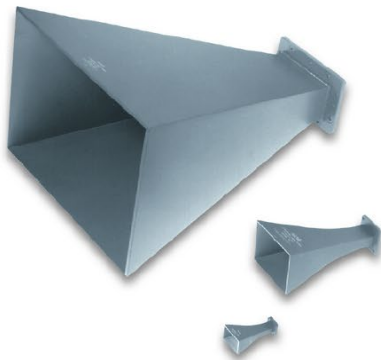


Contract Number: FA869122F1000

Stop Buzzer: Kurt Marden 617-755-9734

Standard Gain Horns 2.60 to 40 GHz



Features

- Primary Standard of Antenna Gain
- 7 Models Cover from 2.60 GHz to 40 GHz

Models

- 644, 643, 642, 640, 639, 638, V637

Model	639
Low Frequency (GHz)	12.4
High Frequency (GHz)	18.0
Band	KU*
Waveguide Size	WR-62
Input Cover Flange Equivalent	UG-419/U
VSWR (max)	1.15
Weight (max) in lbs	0.20
Weight (max) in kg	0.10
Special Notes:	A , B

Special Notes:

Special Notes:

A: *For a complete listing of all band letters and codes in use, refer to Band Designation Table.

Patterns for all models in this series conform to the following description: Beam width in E and H plane varies from 23° at the highest frequency to 34° at the lowest frequency. Side lobes in the H plane are all more than 20 dB down. First side lobes in the E plane are 13 dB down, second side lobes are 18 dB down and all other E plane lobes are more than 20 dB down.

Gain at Mid Frequency; 16.5 dB (with reference to isotropic radiation) variation is 1.5 dB over total band about the mid band value.

See Waveguide Flange Data on the following pages for flange detail.

B: See Standard Gain Horns Charts at the end of this section.

