

# JEM-440

## The Scepter

### DESCRIPTION

The JEM-440 is a compact, cost-effective antenna that covers frequencies from 4 to 40 GHz.

It features a lightweight encapsulated construction, two tripod mounting points and gain greater than +10 dBi over most of the band.

A precision 2.92mm connector provides mode-free operation to 40 GHz, and intermates with common 3.5mm and SMA connectors.

Applications include signal collection, monitoring, and instrumentation.

### SPECIFICATIONS

#### ELECTRICAL

Frequency Band	4 GHz to 40 GHz
VSWR	< 4.0 : 1 at 4 GHz to 5 GHz
	< 2.5 : 1 at 5 GHz to 8 GHz
	< 2.0 : 1 at 8 GHz to 40 GHz
Polarization	Linear
Gain	> +10 dBi Typical
Power	20+ Watts CW
Ground Plane	Ground Plane Independent
Connector	2.92 Connector Jack (Female)

#### ENVIRONMENTAL

Operating Humidity	0% to 100% Non-Condensing
Operating Temp.	-29°F to +160°F (-34°C to +71°C)

#### MECHANICAL

Weight	5 oz (0.14 kg)
Dimensions	6.55" L x 1.91" W x 1.25" H (16.64 cm L x 4.85 cm W x 3.18 cm H)
Mounting	Available Upon Request

#### RELATED MODEL NUMBERS

JEM-440A	RoHS Compliant, 4 GHz to 40 GHz
JEM-440B	RoHS Compliant, 4 GHz to 60 GHz



*The Scepter*



*Mounting Suggestion*