

AA26G40

- 1 Watt CW
- 26.5–40 GHz
- 20 V/m & 50 V/m min field strength options @ 1 meter test distance
- CE, RoHS and WEEE compliant

Features

The Model AA26G40 is a solid-state, air-cooled, broadband field generating system designed for applications where low-level, high-frequency fields are required. Included is a tripod-mountable amplifier/antenna field generating unit.

The Model AA26G40, when used with an external signal generator, will provide a minimum of 20 V/m or 50 V/m field strength at a distance of 1 meter. The AA1000 is recommended for providing DC power, RF signal routing and fault detection to the AA26G40. The AA26G40 is protected from over-temperature through forced-air cooling.



Specifications

RATED FIELD STRENGTH: Minimum 20 V/m or 50 V/m at 1 meter distance

MAXIMUM AMPLIFIER INPUT: +10 dBm max

FREQUENCY RESPONSE: 26.5–40 GHz instantaneous

3dB BEAMWIDTH:

AA26G40-20: E Plane: 16.7 degrees
H Plane: 18.3 degrees

AA26G40-50: E Plane: 8.3 degrees
H Plane: 9.7 degrees

3dB SPOT SIZE @ 1m:

AA26G40-20: 0.29m x 0.32m

AA26G40-50: 0.15m x 0.17m

MODULATION CAPABILITY: Will faithfully reproduce AM, FM, or Pulse modulation appearing on input signal.

SPURIOUS: Minus 65 dBc typical

PRIMARY POWER (Supplied by AA1000): 8 VDC @ 6 Amps max, +24VDC @ 1 Amp max

CONNECTORS:

RF Input: 2.92 mm (K-type) female

DC Input: Twinax

COOLING: Forced air (self contained fans)

WEIGHT:

AA26G40-20: 2.5kg (5.5lb)

AA26G40-50: 2.7kg (6lb)

SIZE (W x H x D):

AA26G40-20: 12.1cm x 18.4cm x 15.2cm
(4.75in x 7.25in x 6in)

AA26G40-50: 12.1cm x 18.4cm x 25.4cm
(4.75in x 7.25in x 10in)

ENVIRONMENTAL:

Operating Temperature: 5°C/+40°C

Operating Altitude: up to 2000M

Shock and vibration: Normal Truck Transport

REGULATORY COMPLIANCE:

EMC EN 61326-1

Safety UL 61010-1

CAN/CSA C22.2 #61010-1

CENELEC EN 61010-1

RoHS DIRECTIVE 2011/65/EU

WEEE DIRECTIVE 2012/19/EU

EXPORT CLASSIFICATION: 3A001

AR RF/Microwave Instrumentation

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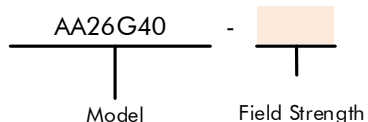
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ISO 9001 Certified

Ordering Options

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FIELD STRENGTH	
20 V/m (Lo-Field)	20
50 V/m (Hi-Field)	50

Contact your AR RF/Microwave Instrumentation Sales Associate for specific model configuration pricing.