

DINTELGID

BENDIX KING RDS-81 FEATURES

- 2 piece Color Radar System consisting of Radar Sensor and Radar Indicator.
 - 1 kw Peak power.
 - Display range/range marks of 10/2.5,20/5,40/10,80/20,160/40,240/60
 - IN-812A has special inputs provided for direct external control of CRT color guns allowing an external graphics unit such as GC-360A or GC-381A to control display.
 - RS-811A provides radar stabilization for combined pitch, roll and tilt angles of up to +-25 degrees.
 - IN-812A provides four color display of weather and a three color display of ground targets.
 - IN-812A capable of handling 5,14, or 28 V panel lighting.
 - IN-812A available with black or gray bezel.
- RS-811A available with 10 or 12 inch antenna plate



SPECIFICATIONS

RF Power Output (Transmitter): 1 kw peak power

IF Bandwidths (Receiver): 1.6 MHz and 0.6 MHz

Receiver Gain: 135 dB minimum

Scan Angle (antenna): 90 degrees

Scan rate (antenna): 30 deg. / second

Tilt angle (antenna): +-15 deg.

Stabilization (antenna): +-25 deg. combined pitch and roll

Gain (minimum): 26 dB (10" antenna), 26.7 dB (12" antenna)

VSWR (max): 1.4:1

Beamwidth: 10 deg. (10" antenna), 8 deg. (12" antenna)

Display type: X-Y raster scan

Weather Data Input: ARINC 453 bus, ARINC 708 data word

Control Data Outputs: ARINC 429 characteristic

Temperature Range (sensor): -55 to +70 deg. C

Temperature Range (Indicator): -20 to 55 deg. C

Altitude (sensor): 55,000 ft. unpressurized

Altitude (Indicator): 25,000 ft. unpressurized

Weight (sensor): 10.5 lbs.

Weight (Indicator): 8.9 lbs.

TSO Compliance (Sensor): DO-173, DO-160A Env. Cat. F2A/JLY/XXXXXXB/BE/ABA, C63b, Class 7

TSO Compliance (Indicator): DO-173, DO-160A Env. Cat. /A1B1/A/PKS/XXXXXXABABA, C63b