



RF Power Attenuators

OIL CONVECTION-COOLED

The Bird oil convection-cooled attenuator 8320 Series may be used for the isolation of power sources up to their maximum power rating and for low level monitoring. They are valuable and reliable accessories for reducing power levels and VSWR, for isolating components under test, for harmonic signal analysis, and as comparison standards.

PRODUCT FEATURES

- Self-contained instruments that require no external source of power
- Equipped with Quick-Change (QC) connectors
- Self cooling design
- Fully shielded against production of extraneous radiation
- Rugged construction

SYSTEM

Coolant Method	Oil convection-cooled
Frequency Range/VSWR	DC to 500 MHz at 1.1:1 max
Impedance	50 Ohms
Standard Attenuation Value	30 dB
Operating Position	Horizontal

ENVIRONMENTAL

Operating Temperature	-40 °C to 45 °C (-40 °F to 113 °F)
Humidity	95% non-condensing

ATTENUATOR SELECTION GUIDE

MODEL	POWER RATING	CONNECTOR	FREQ. RANGE & VSWR	COOLING METHOD	DIMENSIONS	WEIGHT
8325	500 W	QC - N(F) Input QC - N(F) Output	DC to 500 MHz at 1.1:1 max	Convection	17.5 in x 6.0 in x 8.5 in (445 mm x 151 mm x 216 mm)	25 lb (11.0 kg)
8327-300	1 kW	QC - LC(F) Input QC - N(F) Output	DC to 500 MHz at 1.1:1 max	Convection	24.0 in x 7.2 in x 17.2 in (596 mm x 181 mm x 437 mm)	57 lb (26.0 kg)
8329-300	2 kW	QC - LC(F) Input QC - N(F) Output	DC to 500 MHz at 1.1:1 max	Convection	24.0 in x 7.2 in x 17.2 in (596 mm x 181 mm x 437 mm)	57 lb (26.0 kg)
8329-300 w/ BA-300-115	4 kW	QC - LC(F) Input QC - N(F) Output	DC to 500 MHz at 1.1:1 max	Forced Convection, 115 VAC Fan	23.5 in x 7.2 in x 22.1 in (596 mm x 181 mm x 560 mm)	70.5 lb (32 kg)
8329-300 w/ BA-300-230	4 kW	QC - LC(F) Input QC - N(F) Output	DC to 500 MHz at 1.1:1 max	Forced Convection, 230 VAC Fan	23.5 in x 7.2 in x 22.1 in (596 mm x 181 mm x 560 mm)	70.5 lb (32 kg)

BLOWER SELECTION GUIDE

MODEL	INPUT VOLTAGE	FUSE RATING	COMPATIBLE WITH MODELS
BA-300-115	115 VAC - 0.6A at 50-60 Hz	115 VAC - 1 A	889X-300 RF Termination 8329-300 RF Attenuators
BA-300-230	230 VAC - 0.3 A at 50/60 Hz	230 VAC - 500 mA	889X-300 RF Termination 8329-300 RF Attenuators
BA-310-115**	115 VAC - 0.6A at 50-60 Hz	115 VAC - 1 A	889X-300 RF Termination 8329-300 RF Attenuators
BA-310-230**	230 VAC - 0.3 A at 50/60 Hz	230 VAC - 500 mA	889X-300 RF Termination 8329-300 RF Attenuators