

Specifications of Broadsound Pulser/Receiver

Product name: Broadsound Pulser/Receiver

Broadsound Model: 1003PR

• Pulser/Receiver

Mode		Pulse-echo /Through transmission /External pulser
Pulser	Polarity	Negative-going spike
	Amplitude	-190 V @ no load
	Energy	1, 2, 4, 8, 16, 32 μ J @ no load
	Rise time	< 6 ns (typ.)
	Damping	14, 17, 20, 25, 33, 50, 93 Ω
	Thru. transmission isolation	62 dB (typ.)
	Pulse repetition rate (internal)	200 Hz, 500 Hz, 1 kHz, 2 kHz, 5 kHz, 10 kHz, or 20 kHz
	Pulse repetition rate (external)	0 kHz ~ 20 kHz
	External trigger input	Positive-going pulse, >3.5V
	Sync. output	Positive-going pulse, 5V
Receiver	Input range	0.5 W (max.)
	Attenuation	0, 20, 40, 60 dB
	Input impedance	50 Ω (attenuation > 0 dB) 70 Ω (attenuation = 0 dB)
	-3 dB bandwidth	300 kHz ~ 90 MHz
	Gain	14 ~ 46 dB (1 dB step)
	High-pass filter	0.3, 1, 3, 10 MHz
	Low-pass filter	20, 50, 100 MHz
	Receiver output @ 50 Ω load	± 1 V
	Phase	0°

• General information

Power Requirement	100~240V AC, 50/60 Hz
Input / Output	T/R, R, RF Out, Trig In, Sync Out: BNC female connectors
Communication	RS-232 (9 pin D-sub male)
Dimensions	W 245mm x D 300mm x H 128mm
Weight	3.2 kg

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