

Product name: BroadSound Pulser/Receiver

BroadSound Model: 1003PR

• Pulser/Receiver

Parameter		Model	BroadSound 1003PR
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		< 3 ns
	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 ~ 110 MHz
	Gain		14 ~ 46 dB (1 dB step)
	High-pass filter		0.3, 1, 3, 10 MHz
	Low-pass filter		20, 50, 100, 110 MHz
	Receiver output @ 50 Ω load		\pm 1 V
	Phase		0°

• General information

Power Requirement	100~240V AC, 50/60 Hz
Dimensions	W 245mm x D 300mm x H 128mm
Weight	3.2 kg