



**Model IT1000 Series  
Switchable Impedance Transformer**

Model IT1000 Series consist of switchable transformers for high power ultrasonic transducer applications and other laboratory applications requiring a broadband, high power, impedance matching system. It utilizes a high power transformer connected to a selector switch, which increases the output impedance when rotated in a clockwise direction. The IT1000 Series greatly reduces the time required to obtain a match as compared to systems utilizing multiple switches or jumper wires.

SPECIFICATIONS

- Frequency .....(see Model Configuration)
- Power .....(see Model Configuration)
- Input Impedance.....50 Ohms
- Output Impedance..... (see chart)
- Connectors
  - Input.....Type N Female
  - Output .....Type N Female
- Size (W x H x D approx) .....26.2 x 11.7 x 21.6 cm (10.3 x 4.6 x 8.5 in)
- Weight (approx) .....4.5 kg (10lbs)

Switch Position	Model IT1003 Output Impedance (OHMs)	Model IT1005 Output Impedance (OHMs)
1	3	50
2	8	100
3	10	150
4	12.5	250
5	25	400
6	50	600
7	100	1000
8	150	2000
9	200	
10	400	
11	600	
12	1000	

MODEL CONFIGURATION		
Model Number	Frequency	Power
IT1003	10kHz-1MHz	1000 watts
IT1005	100kHz-3MHz	750 watts