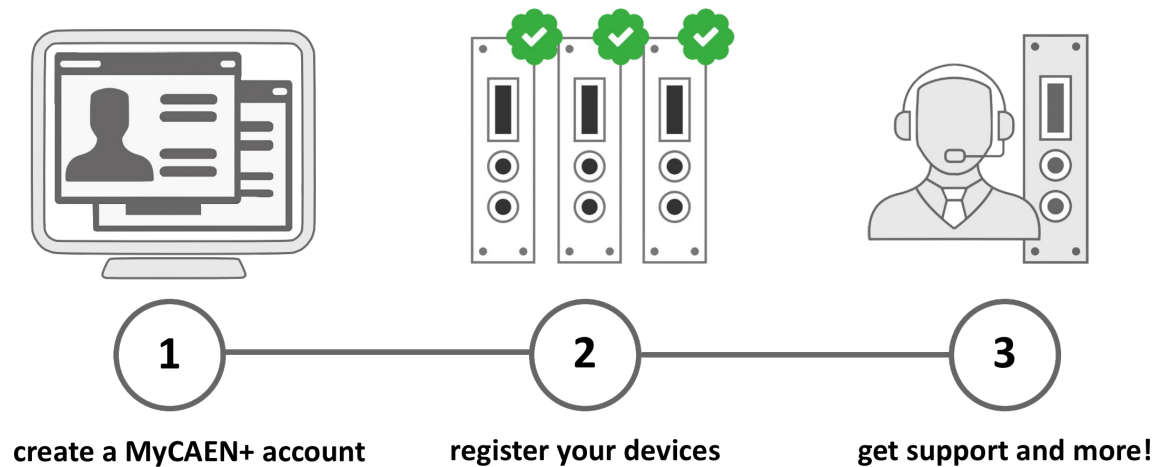




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Technical Information Manual

Revision n. 0
15 November 2006

MOD. N858
DUAL
ATTENUATOR

NPO:
00101/01:N858X.MUT_x/00

CAEN will repair or replace any product within the guarantee period if the Guarantor declares that the product is defective due to workmanship or materials and has not been caused by mishandling, negligence on behalf of the User, accident or any abnormal conditions or operations.

CAEN declines all responsibility for damages or injuries caused by an improper use of the Modules due to negligence on behalf of the User. It is strongly recommended to read thoroughly the CAEN User's Manual before any kind of operation.



CAEN reserves the right to change partially or entirely the contents of this Manual at any time and without giving any notice.

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1. General description

1.1 Overview

The **Model N858** is a passive dual section attenuator housed in a 1-unit NIM module; the module does not require any power supply since it is made up of resistive cells (50 Ohm impedance each).

Attenuation ranges from 0 to 44.5 dB for each section (0.5 dB steps).

Each section is provided with two LEMO 00 connectors, one for the input (50 Ohm impedance) and one for the output, and seven toggle switches for attenuation setting (LEFT = attenuation OFF, RIGHT = attenuation ON).

2. Technical specifications

2.1 Packaging

The Model N858 is housed in a 1U-wide NIM unit.

2.2 Front panel

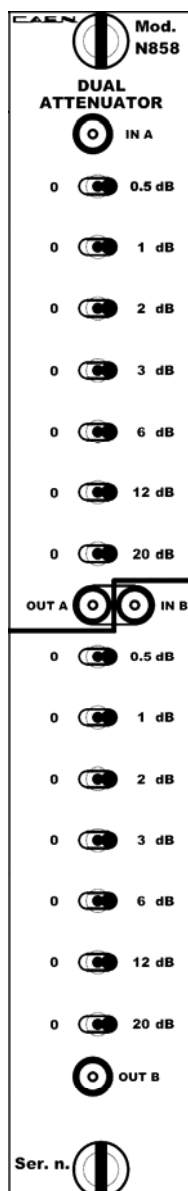


Fig. 2.1: Mod. N858 Front Panel

2.3 External components

INPUT CONNECTORS:	LEMO 00 connectors
OUTPUT CONNECTORS:	LEMO 00 connectors
ATTENUATION:	14 toggle switches

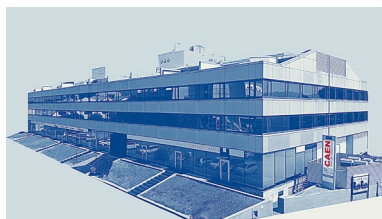
2.4 Technical specification table

Table 2.1: Mod. N858 Technical Features

Packaging	1U-wide NIM unit
Number of sections	2
Attenuation	0÷44.5 dB
Resolution	0.5 dB
Input impedance	50 Ω
I/O delay	< 5 ns (all stages inserted)
Accuracy	1%
Max frequency	> 300 MHz
Max dissipated power (per section)	100 mW
Insertion loss	0.1 dB

**CAEN S.p.A.**

Via Vetràia 11
55049 - Viareggio
Italy
Phone +39 0584 388 398
Fax +39 0584 388 959
info@caen.it
www.caen.it

**CAEN GmbH**

Brunnenweg 9
64331 Weiterstadt
Germany
Tel. +49 (0)212 254 4077
Mobile +49 (0)151 16 548 484
info@caen-de.com
www.caen-de.com

CAEN Technologies, Inc.

1 Edgewater Street - Suite 101
Staten Island, NY 10305
USA
Phone: +1 (718) 981-0401
Fax: +1 (718) 556-9185
info@caentechnologies.com
www.caentechnologies.com

CAENspa INDIA Private Limited

B205, BLDG42, B Wing,
Azad Nagar Sangam CHS,
Mhada Layout, Azad Nagar, Andheri (W)
Mumbai, Mumbai City,
Maharashtra, India, 400053
info@caen-india.in
www.caen-india.in



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