

BNC France located in the Aquitaine region is a company specializes in service and distribution in Europe of high performance Test and Measurement equipment for scientific, defense, industrial applications and R&D laboratories. With the support of reliable partners BNC France represents a range of products defined by their excellent precision and competitive prices.

BNC France offers a local office to provide service and technical help, allowing our European customers a very fast response and a location for quick servicing and calibration needs.

Products presented in the following pages are organized in several line: Pulse and delay Generator, High Speed Digitizer, Signal Generator, Time Interval Meter, RF Amplifier & Converter Modules, Picosecond Timing System and Nuclear detection Instruments. For more details see our Web site www.bncfrance.com

PULSE & DELAY GENERATOR

Model	Channel Number	Delay Resolution	Output Amplitude (50 Ω load)	Form Factor
MOD745	4, 8	0.25ps	5V	Box
MOD745T	4, 8	0.25ps	5V	Box
GFT1020	20	100ps/1ps	6V/10V/20V/32V	19",2U
GFT1040	40	100ps/1ps	6V/10V/20V/32V	Two 19",2U
GFT1000	100	100ps/1ps	6V/10V/20V/32V	19",1U Racks
MOD505	2, 4, 8	10ns	10V	Box
MOD577	4, 8	250ps	4V/20V/35V	Box
MOD575	2, 4, 8	250ps	4V/10V/35V/45V	Box
GFT1004	4, 8, 10	100ps/1ps	6V/10V/20V/32V	19",1U
GFT1208	8	1ps	10V	cPCI, 1 slot
GFT9404	4, 8	1ps, 1.2ns	5V	PXI, 1 Slot
GFT1504	4, 8, 10	100ps/1ps	6V/10V/20V/32V	Box
745-OEM	4, 8	0,25ps	5V	Board level
PDG351	1	10ps	5V	Compact box



MOD745T



GFT1020

HIGH SPEED DIGITIZER

Model	Channel Number	Vertical Resolution	BW / max. Sample Rate	Form Factor
FTD10000	1	13-bit	7GHz / 1000GS	19",4U
GFT6011	1	10-bit	3GHz / 10GS	19",1U
GFT6022	2	12-bit	0.9GHz / 3.6GS	19",1U
GFT6042	2/4	14-bit	1.2GHz / 2GS	19",1U
GFT6084	4	8-bit	500MHz / 4GS	19",2U



GFT6022



GFT6084

STREAK CAMERA

Model	Spectral Response	Analysis Duration	CCD Readout Resolution	Form Factor
CBF500	300 - 900 nm	5, 10, 20 and 50ns	1024 x 1024 pixels, 12-bit A/D	Box
CBF500-02	300 - 900 nm	5, 10, 20 and 50ns	1392 x 1040 pixels, 16-bit A/D, cooling	Box



CBF500

SIGNAL GENERATOR

DELAY & PULSE TRAIN GENERATOR

Model	Channel Number	Pulse amplitude	Pulse Delay & Width	Form Factor
T564	4	TTL Level	up to 10 s	Compact box

LIGHT PULSE GENERATOR

Model	Pulse Width	Peak Power	Wavelength (nm)	Form Factor
GFT7016	0.1 to 10 μ s	0.5 to 1.5mW	1310 to 1550	19",1U
MOD6040	3ns to 640s	1 to 50 mW	850 to 1550	19",4U



Mod 6040

ARBITRARY WAVEFORM GENERATOR

Model	Channel Number	Amplitude Resolution	Timing Resolution	Form Factor
DAX1400	1	12-bit	4GS/s	USB box
AWG-4022	2	14-bit	2.5GS/s	19",3U
AWG-2500	2	14-bit	2.5GS/s	Box
DAX2200	2	12-bit	2.5GS/s	USB box
WX2184C	4	14-bit	2.3GS/s	Box
P350	8	16-bit	1MS/s	Box



P350

FAST PULSE GENERATOR

Model	Pulse Rise time	Pulse Amplitude	Pulse Duration	Form Factor
GFT7002	300ps	10V/50 Ω	100 ns	19",2U
PG-1000	70ps	0.3 - 5V/50 Ω	300ps to 1s	19",3U
GFT7021	30ps	>2V/50 Ω	40 to 250ps	Box



GFT7021

HIGHT VOLTAGE PULSE GENERATOR

Model	Pulse Rise Time	Output Amplitude	Pulse Duration	Form Factor
GFT4218	6ns	+/-100V/ 50 Ω	120ns	cPCI, 1 slot
Model 310H	<15ns	+/-800V/ 50 Ω	20ns- 20 μ s	19",4U
PPG-1.5 KV	70ps	1.5 KV/ 50 Ω	300ps	Box

PULSE FUNCTION GENERATOR

Model	Pulse Width	Output Amplitude	Frequency	Form Factor
M8550	10ns to 99ms	10mVV to 32Vpp	10mHz to 50MHz	Box



M8550

NIM PRECISION PULSE GENERATOR

Model	Pulse types	Rise/Fall time	Amplitude resolution	Form Factor
MOD PB-5	Ramp, Flattop, Tail pulse	Adjustables	150 μ V	NIM (double size)



NIM PORTABLE POWER SUPPLY

Model	DC Output Voltage	Temperature Stability	Number of Modules	Form Factor
MOD AP-3	+/-6V, +/-12V, +/-24V	+/-5ppm	Six single sizes	Bentchtop (7.5kg)

Mod AP-3

RF GENERATOR

Model	Frequency Range	Frequency Resolution	Output Level	Form Factor
APSYN20G	100kHz to 20GHz	0.001Hz	+15dBm	19"/1U
APSYN420	10MHz to 20GHz	0.001Hz	+16dBm	Compact box
Dual-APSYN420	10MHz to 20GHz	0.0001Hz	+16dBm	Compact box
GFT7513	100kHz to 13GHz	0.0001Hz	+15dBm	Compact box
BF-SG8	0.01 to 8GHz	0.001Hz	+26dBm	Box
BF-LNO-HP30M	0.004 to 8GHz	0.001Hz	+28dBm	Module
APMS3003	9kHz to 3GHz	1Hz	+15dBm	19"/1U
APGEN3000	9kHz to 3GHz	0.1Hz	+10dBm	Compact box



GFT7513

TIME INTERVAL METER & ANALYSER

TIME INTERVAL METER

Model	Channel Number	Time Resolution	Form Factor
GFT2002	2	10ps	19"/1U
GFT2505	4+1	13ps	PCIe
GFT2609	8 +1	1ps	PCI
GT210	2	0.9ps	PXI/PXIe
T680	5	12ps	Compact box



GFT2002

CONTINUOUS TIME INTERVAL ANALYZER

Model	Channel Number	Time Resolution	Form Factor
GFT668	2	0.9ps	PXI/PXIe
GT9001P	2	0.9ps	Box/USB
GT9000	2 to 24	0.9ps	19"/4U



GT9001P

RF AMPLIFIER & CONVERTER MODULES

RF AMPLIFIER

Model	Gain	Bandwidth	Output	Power
WA-00051-AA	22dB	0.0001 to 40GHz	4dBm	1.5W
WA-0R140-MP	22dB	100kHz to 40GHz	3Vpp	+6V
WA-00111 AA	25dB	30kHz to 40GHz	5Vpp	3.5W
WA-00073 AC	-10 to +40dB	0.5GHz to 20GHz	20dBm	+/-12V



WA-00051-AA

ELECTRICAL/OPTICAL CONVERTER

Model	Input Pulse	Wavelength	Output	Power
GFT101	2.5 to 10V	1310nm	0.3mW	none

OPTICAL/ELECTRICAL CONVERTER

Model	Input Pulse	Wavelength	Output	Power
GFT200	>20μW	1310 to 1550nm	10V/50Ω	+/-12V



GFT200

RF AMPLIFIER & CONVERTER MODULES (Continuation)

STEP GENERATOR

Model	Input Trigger	Output Rise time	Output	Power
GFT500	>2V	200ps	9V/50 Ω	+12V



GFT500

LASER DIODE DRIVER

Model	Input	Gain	Driver	Package
WA-00091-AX	1 to 2GHz	20dB	150mA	SMA

RF PULSE AMPLIFIER

Model	Input	Rise / Fall time	Output	Power
WA-000367-A	400mVpp	100ps	4Vpp	+11V



GFT400

ANALOG OPTICAL LINK

Model	Gain	BW	Output	Power
OL-3000	0dB	80Hz to 3.5GHz	0dBm	Battery

PULSE GENERATOR

Model	Input pulse	Output Width	Output (50Ω load)	Power
GFT632	>2V	1μs	32-70V	+12V
GFT400	>2V	500ps (FWHM)	2V	+12V

SUB-NS PULSE STRETCHER

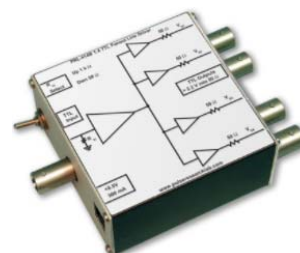
Model	Input pulse/ Width	Frequency	Outputs	Power
GFT300	100mV to 1V /500ps	40 to 100MHz	>100mV, sinus	+12V



GFT300

MINI MODULAR INSTRUMENT

Model	Function	Input Logic	Output Logic	F max
PRL-470B	Line Driver - Level Translator	TTL / ECL	+5V / -3V	300MHz
PRL-444	Four channel Line driver	TTL	50Ω TTL/CMOS	80MHz
PRL-414B	1 to 4 Fanout 50Ω TTL driver	TTL	50Ω TTL/CMOS	100MHz
PRL-4110	1 to 10 Fanout 50Ω TTL drive	TTL	50Ω TTL/CMOS	100MHz
PRL-350	Dual Channel comparator	+3V / -2V	50Ω TTL/ECL	2000MHz



PRL-414B

HIGH RESOLUTION DATA ACQUISITION

DIGITIZER

Model	Channel Number	Vertical Resolution	Sample Range	Form Factor
SMAD	4	24-bit	8 to 200Hz	Box, IP67
Sri32	3/6	32-bit	1 to 1000Hz	Box, IP67
2680C	4 to 16	16-bit	10kHz	19",3U



SMAD

SENSORS

Model	Manufacturer	Function	Frequency Range	Dimensions Weight
MB3	Seismo-wave	Infrasound	0.0001 to 70Hz	136 x 11 / 3kg
CPZ90	Seismo-wave	Seismometer	0.1 to 100Hz	150 x 50 / 5.7kg
C-100	GEObit	Triaxial Seismic	10sec to 98Hz	180 x 50 / 0.6kg
S-100	GEObit	Triaxial Seismic	0.2 to 98Hz	160 x 50 / 0.6kg



CPZ90

PICOSECOND TIMING SYSTEM

TIMING SYSTEM

Model	Channel Number	Delay Resolution	Remote Control	Form Factor
GFT1000	100 to 2500	1ps/100ps	Ethernet, Internet	19",1U racks



GFT3001

MASTER OSCILLATOR TRANSMITTER

Model	RMS Jitter	Output Power	Remote Control	Form Factor
GFT3001	15ps	5 mW	Ethernet, Internet	19",1U rack

OPTICAL SPLITTER

Model	Channel Number	RMS Jitter	Insertion Loss	Form Factor
GFT4016	16/8/4	<1ps	<14dB	19",1U rack



GFT4016

SLAVE DELAY GENERATOR

Model	Channel Number	Slave/Slave RMS jitter	Output Amplitude	Form Factor
GFT1012	2/4	10ps	10V	19",2U
GFT1404	4/8	50ps	5V	PXI, 1 slot
GFT1208	8	50ps	10V	CPCI, 1slot
GFT1018	8	100ps	10V	19",1U
GFT1004	4/8/10	25ps	6/10/20/32V	19",1U



GFT1012

NUCLEAR DETECTION INSTRUMENTS

ISOTOPE IDENTIFICATION

Model	Description
SAM 945	Isotope Identification with Reach back program
RD 120	SAMpack isotope Identifier
MOD 970	Portable multi channel Analyzer (MCA)



SAM 945

HANDLED RADIATION DETECTION

Model	Description
Gamma RAE II	Personal Gamma radiation detector and full range dosimeter
Neutron RAE II	Personal radiation detector
PalmRAD 907	Nuclear radiation meter
Model 951	Preventive radiological detection system



ERK 25

EMERGENCY RESPONSE KITS

Model	Description
ERK 506	Microprocessor based digital display meter
ERK 525	Monitoring system

AREA MONITORS

Model	Description
Model 960	Universal radiation area monitor

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