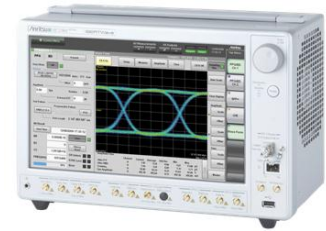


# 156 M to 11.3 Gbit/s Bessel LPFs for EYE Mask Testing

MP2100A/MP2102A-061 to 085 Low Pass Filter Options



## Features

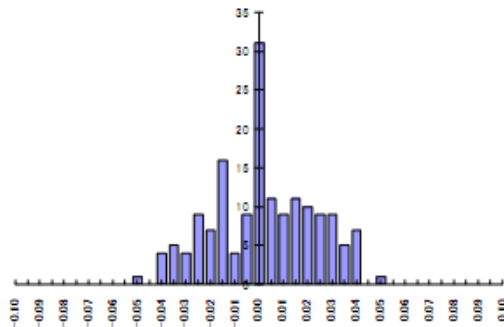
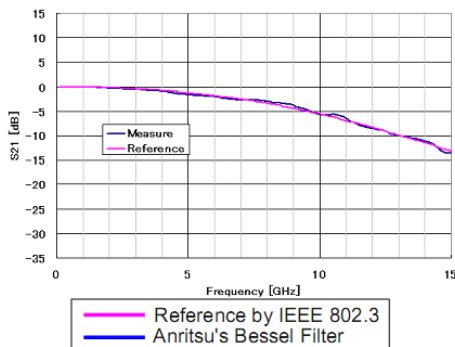
- Full line of Bessel LPFs for CPRI, FC, Ethernet, SDH/SONET, OTN, Infiniband, and other recommendations

LPF	Applications
156M	OC-3/STM-1 (155.52M)
622M	CPRI x1 (614.4M), OC-12/STM-4 (622.08M)
1.0G	FC (1.0625G)
1.2G	CPRI x2 (1.2288G), OC-24 (1.244G), GbE (1.25G)
2.1G	2GFC (2.125G)
2.5G	CPRI x4 (2.4576G), OC-48/STM-16 (2.488G), Infiniband Optical (2.5G), 2 GbE (2.5G)
2.6G	OTU-1 (2.666G)
3.1G	CPRI x5 (3.072G), OBSAI PR3 x3 (3.072G), 10GBASE-LX4 (3.125G), 10GFC-LX4 (3.1875G)
4.2G	4GFC (4.25G)
5.0G	CPRI x8 (4.9515G), Infiniband optical x2 (5G)
6.2G	CPRI x10 (6.144G), XAUI Optical x2 (6.25G)
9.9 to 10.3G	8GFC (8.5Gbit/s), OC-192/STM-64 (9.953G), 10 GbE WAN (9.953G), 10 GbE LAN (10.312G), Infiniband optical x4 (10G)
10.5 to 11.3G	10GFC (10.518G), 10GFC FEC (10.664G), OC-192/STM-64 FEC G.975 (10.664G) OTU-2 (10.709G), 10GbE FEC OTU1e (11.095G), 10GbE FEC OTU2e (11.316G)
9.9 to 10.7G	8GFC (8.5Gbit/s), 10GbE WAN (9.95328Gbit/s), 10GbE LAN/PHY (10.3125Gbit/s), OC-192/STM-64 (9.95328Gbit/s), Infiniband Optical x 4 (10Gbit/s), 10GFC (10.51875Gbit/s), G975 FEC (10.664228Gbit/s), OTU-2 (10.709225Gbit/s)

- Six hardware filters (max.)

Example: CPRI x2 to x10 in one unit, all SDH/SONET bit rates in one unit

- Unique, precision Anritsu LPFs reduce unit-to-unit variation for extinction ratio and mask margin tests



Precision LPF (Freq. response of  $f_c = 7.6$  GHz)

$\pm 0.05$  dB variation for extinction ratio measurement

## Specifications

### • Filter Bank

The filter bank configuration can be selected from Options 061 to 069. The combination of filter bit rates is shown below.

(Example 1) Option 061 and 084: Supports 9.9 to 10.3G LPFs

OC-192/STM-64 (9.953G), 10GbE WAN (9.953G), 10GbE LAN (10.312G), Infiniband optical x4 (10G)

(Example 2) Option 067, 070, 071, 077 and 084: Supports 156M, 622M, 2.5G and 9.9 to 10.3G LPFs

OC-3/STM-1 (155.52M)

CPRI x1 (614.4M), OC-12/STM-4 (622.08M), CPRI x4 (2.4576G), OC-48/STM-16 (2.488G), Infiniband Optical (2.5G), 2GbE (2.5G),

OC-192/STM-64 (9.953G), 10GbE WAN (9.953G), 10GbE LAN (10.312G), Infiniband optical x4 (10G)

When a filter bank option is not selected, it operates as a 9.5-GHz band <sup>(\*)</sup> O/E converter.

Filter Bank		Low-Bit-Rate LPF				High-Bit-Rate LPF								Option No.		
		070	071	072	073	076	077	078	079	080	081	082	084		085	086
Option No.	Filter Bank Name	156M (L)	622M (L)	1.0G (L)	1.2G (L)	2.1G (H)	2.5G (H)	2.6G (H)	3.1G (H)	4.2G (H)	5.0G (H)	6.2G (H)	9.9 to 10.3G (H)	10.5 to 11.3G (H)	9.9 to 10.7G (H)	LPF Name
061	1 High Bit Rate Filter	/	/	/	/	Select 1 LPF										
062	2 High Bit Rate Filter Bank	/	/	/	/	Select 2 LPFs										
063	3 to 4 High Bit Rate Filter Bank	/	/	/	/	Select 3 to 4 LPFs										
064	1 to 2 Low Bit Rate Filter Bank	Select 1 to 2 LPFs				/	/	/	/	/	/	/	/	/	/	
065	3 to 4 Low Bit Rate Filter Bank	Select 3 to 4 LPFs				/	/	/	/	/	/	/	/	/	/	
066	1 High Bit Rate/1 to 2 Low Bit Rate Filter Bank	Select 1 to 2 LPFs				Select 1 LPF										
067	1 to 2 High Bit Rate/3 to 4 Low Bit Rate Filter Bank	Select 3 to 4 LPFs				Select 1 to 2 LPFs										
068	2 to 3 High Bit Rate/1 to 2 Low Bit Rate Filter Bank	Select 1 to 2 LPFs				Select 2 to 3 LPFs										
069	3 High Bit Rate/3 Low Bit Rate Filter Bank	Select 3 LPFs				Select 3 LPFs										

## Ordering Information

Please specify the model/order number, name and quantity when ordering.

Note that the model name may be different from the list.

### MP2100A BERTWave

Model/Order No.	Name
Main Frame	
MP2100A	BERTwave
Option	
MP2100A -001	Dual Electrical Receiver
MP2100A -007	1ch Electrical BERT and Optical/Single-ended Electrical Scope
MP2100A -030	GPIO
MP2100A -037	FC Connector
MP2100A -040	SC Connector
MP2100A -055	Clock Recovery for Eye/Pulse Scope
MP2100A-061 to 059	Filter and Filter Bunk
MP2100A-070	LPF for 156M (L)
MP2100A-071	LPF for 622M (L)
MP2100A-072	LPF for 1.0G (L)
MP2100A-073	LPF for 1.2G (L)
MP2100A-076	LPF for 2.1G (H)
MP2100A-077	LPF for 2.5G (H)
MP2100A-078	LPF for 2.6G (H)
MP2100A-079	LPF for 3.1G (H)
MP2100A-080	LPF for 4.2G (H)
MP2100A-081	LPF for 5.0G (H)
MP2100A-082	LPF for 6.2G (H)
MP2100A-084	LPF for 9.9G to 10.3G (H)
MP2100A-085	LPF for 10.5G to 11.3G (H)
MP2100A-086	LPF for Multi 10G (H)

### MP2102A BERTWave SS

Model/Order No.	Name
Main Frame	
MP2102A	BERTWave SS
Option	
MP2102A -021	Dual Electrical Receiver
MP2102A -023	Optical/Single-ended Electrical Receiver
MP2102A -030	GPIO
MP2102A -037	FC Connector
MP2102A -040	SC Connector
MP2102A -055	Clock Recovery
MP2102A-061 to 069	Filter and Filter Bunk
MP2102A-070	LPF for 156M (L)
MP2102A-071	LPF for 622M (L)
MP2102A-072	LPF for 1.0G (L)
MP2102A-073	LPF for 1.2G (L)
MP2102A-076	LPF for 2.1G (H)
MP2102A-077	LPF for 2.5G (H)
MP2102A-078	LPF for 2.6G (H)
MP2102A-079	LPF for 3.1G (H)
MP2102A-080	LPF for 4.2G (H)
MP2102A-081	LPF for 5.0G (H)
MP2102A-082	LPF for 6.2G (H)
MP2102A-083	LPF for 8.5G (H)
MP2102A-084	LPF for 9.9 to 10.3G (H)
MP2102A-085	LPF for 10.5 to 11.3 G (H)
MP2102A-086	LPF for Multi 10G (H)

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