

SignalOn[®] Series

RF Signal Management



5RU Chassis
(front view)



Passive Products

Conditioning & Monitor Modules:

Features:

- ▶ Often used with plain modules that do not otherwise have pad & EQ options, this module allows for conditioning & grooming of the RF signal gain & slope. It is designed as 1:1 input to output with two MBB circuits in series for pad & EQ placement.
- ▶ -20 dB front facing monitor port
- ▶ Certifications: FCC Class B, U/L, NEBS Level 3

Conditioning & Monitor Specifications

SPECIFICATIONS		N-MMF320FM0 / N-MMB320FM0	N-MMF320FM0H
MEASUREMENT	FREQUENCY	(dB)	(dB)
INSERTION LOSS INPUT TO OUTPUT	5-860 MHz	1.5 ± 0.4	1.5 ± 0.4
	860-1002 MHz	1.5 ± 0.5	1.5 ± 0.5
	1002-1218 MHz		1.5 ± 0.5
FLATNESS (Max) INPUT TO OUTPUT	5-1002 MHz	0.5	0.5
	1002-1218 MHz		0.6
MONITOR LEVEL INPUT TO MONITOR	5-860 MHz	21.5 ± 0.5	21.5 ± 0.5
	860-1002 MHz	21.5 ± 0.6	21.5 ± 0.6
	1002-1218 MHz		21.5 ± 0.6
FLATNESS (Max) INPUT TO MONITOR	5-1002 MHz	1	1
	1002-1218 MHz		1
RETURN LOSS (Min) ANY PORT	5-1002 MHz	19	19
	1002-1218 MHz		19



Conditioning & Monitor Modules:

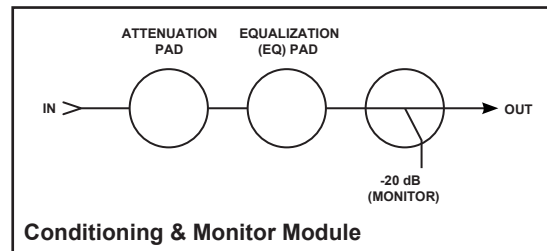
RF Module Specifications

RF MODULE SPECIFICATIONS*	
ENVIRONMENTAL	
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)
STORAGE TEMPERATURE	-40°C to +70°C (-40°F to +158°F)
STORAGE HUMIDITY	5-95% Non-condensing
ELECTRICAL	
EMI (External)	< -100 dBc
INTERNAL ISOLATION OF DUAL/TRIPLE MODULES	< -70 dBc
FLATNESS	Defined as MAX +/- Deviation from Linear Trend Line
IMPEDANCE	75 Ω Nominal
OTHER	
DIMENSIONS	8.25"H x 0.83"W x 4.1"D (20.96H x 2.1W x 10.4D cm)
WEIGHT	1.43 lbs (0.65 kg)
NOTE: * Unless otherwise stated by module specific table, and applies from Fmin to Fmax.	

Ordering Information

Part Number	Description
1.218 GHz Conditioning & Monitor Modules	
N-MMF320FM0H	F Connector, Triple Circuit, 1.218 GHz, 20 dB, 0 dB Default
1 GHz Conditioning & Monitor Modules	
N-MMF320FM0	F Connector, Triple Circuit, 1 GHz, 20 dB, 0 dB Default
N-MMB320FM0	BNC Connector, Triple Circuit, 1 GHz, 20 dB, 0 dB Default

Functional Schematic



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Specifications subject to change without notice.

