

# SignalOn® Series

## Passive Modules Conditioning & Monitor Modules



5RU Chassis  
(front view)

### Features

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

D3.1/CCAP™  
Compliant

1.2 GHz

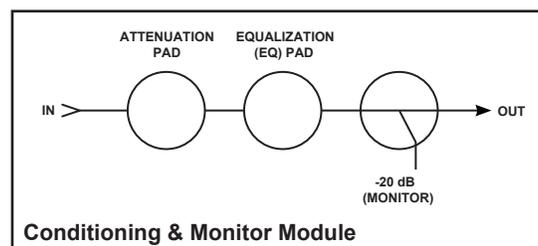
### Specifications

#### Conditioning & Monitor Modules

MEASUREMENT	FREQUENCY	N-MMF320FM0	N-MMF320FM0H
		(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



1 GHz      1.218 GHz  
Triple C & M with  
F connectors (front view)



Conditioning & Monitor Module  
Functional Schematic

# Specifications

## RF Module\*

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  $F_{min}$  to  $F_{max}$

## 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

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