



# VHF & UHF Fiber Headend Solutions

Connector Type: RF: N-Type Female  
Optical: SC-APC

Available Enclosures: "AB": NEMA1 Wall Mount  
"R": 19" Rack Mount  
"N": NEMA4 Wall Mount

## Off-Air - RF Only:

To Feed 3rd Party Optical Module



\*Product Shown in "AB" Enclosure with no additional features added.

### Headend Amplifier Modules

Frequency Range:	Factory Tuned
VHF:	138-174 MHz
UHF:	380-520 MHz
Bandwidth:	600 KHz to 4 MHz
Min. Guard Band:	1 MHz
Uplink ALC Available:	+20 dBm, +27 dBm, +31 dBm
Downlink ALC:	+5 dBm
Mobile Ports:	Simplex

## Direct Feed Optical Module:

To Convert Direct Feed RF to Light



\*Product shown in "R" Enclosure, 1:1 Fiber Link - Simplex RF Input for Direct Feed



\*Product shown in "R" Enclosure 1:4 Fiber Link - Duplex RF Input

### Headend Optical Modules - Direct Feed

Frequency Range:	130 - 2700 MHz
Headend:Remote Ratio	1:1, 1:4, 1:8, 1:12, 1:16, 1:24
Direct Feed:	Simplex Input RF Ports -20 dB Sample Port
Duplex Input Available:	Factory Tuned
Max Input Signal:	0 dBm
Fiber:	2x Strands Single Mode Fiber Per Remote Unit

## Off-Air Active Optical Module:

To Filter/ Amplify an Off-Air Signal with internal conversion to Light.



\*Product shown in "N" Enclosure Duplex RF Input, 1:1 Fiber Link Including S1, O26, RED and D Features for NFPA

### Active Headend Optical Modules - Off-Air

Frequency Range:	Factory Tuned(Single Band*)
	VHF - 138-174 MHz UHF - 380-520 MHz
Bandwidth:	600 KHz to 4 MHz
Min. Guard Band:	1 MHz
Uplink ALC Available:	+20 dBm, +27 dBm
Gain:	55 dB, 70 dB
Fiber Links:	1:1, 1:4

## Build Your Unit A La Carte:

At G-WAVE, we strongly believe, there is no such thing as a one-size-fits-all solution to DAS. In addition G-WAVE's ability to customize RF solutions to meet exact application requirements - we also enable you to *choose* which add-on features to include in the unit. Please see G-WAVE's comprehensive list of add-on features for more information.

G-Wave also offers Multi-Service Fiber Solutions - please feel free to contact G-Wave with a list of services required.





# VHF & UHF FIBER REMOTE SOLUTIONS

Connector Type: RF: N-Type Female  
Optical: SC-APC

Available Enclosures: "AB": NEMA1 Wall Mount  
"R": 19" Rack Mount  
"N": NEMA4 Wall Mount



\*Product Shown in "AB" Enclosure  
Duplex RF Output with no additional features added.



\*Product Shown in "R" Enclosure  
Simplex RF Output  
Including "RM9" and 20 dB UL Sample Port



\*Product shown in "N" Enclosure  
Duplex RF Output  
Including S1, O26, RED and D Features for NFPA

Remote Modules			
Frequency Range:	Factory Tuned		
VHF:	138-174 MHz		
UHF:	380-520 MHz		
Bandwidth:	600 KHz to 4 MHz		
Min. Guard Band:	1 MHz		
Gain:	45 dB, 55 dB, 65 dB		
Uplink Composite Power Available:	+5 dBm		
Downlink Composite Power Available:	VHF :	+20 dBm, +27 dBm, +30 dBm, +33 dBm	
	UHF:	+20 dBm, +27 dBm, +31 dBm, +33 dBm, +36 dBm	
Available Features			
O26	S1	RED	D
ODSC	O	RM7	RM9
DC28	N	R	ACSP
DISP1	For a Description of features, see following page	Mobile Port	Simplex Duplex

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