

VECTOR HARGON 3810

1.2 GHZ TRUNK/DISTRIBUTION AMPLIFIER

- 1.2 GHz Technology
- 200 MHz Technology
- GaN Technology
- Electronic control
- VMC (VECTOR Mobile Commander)



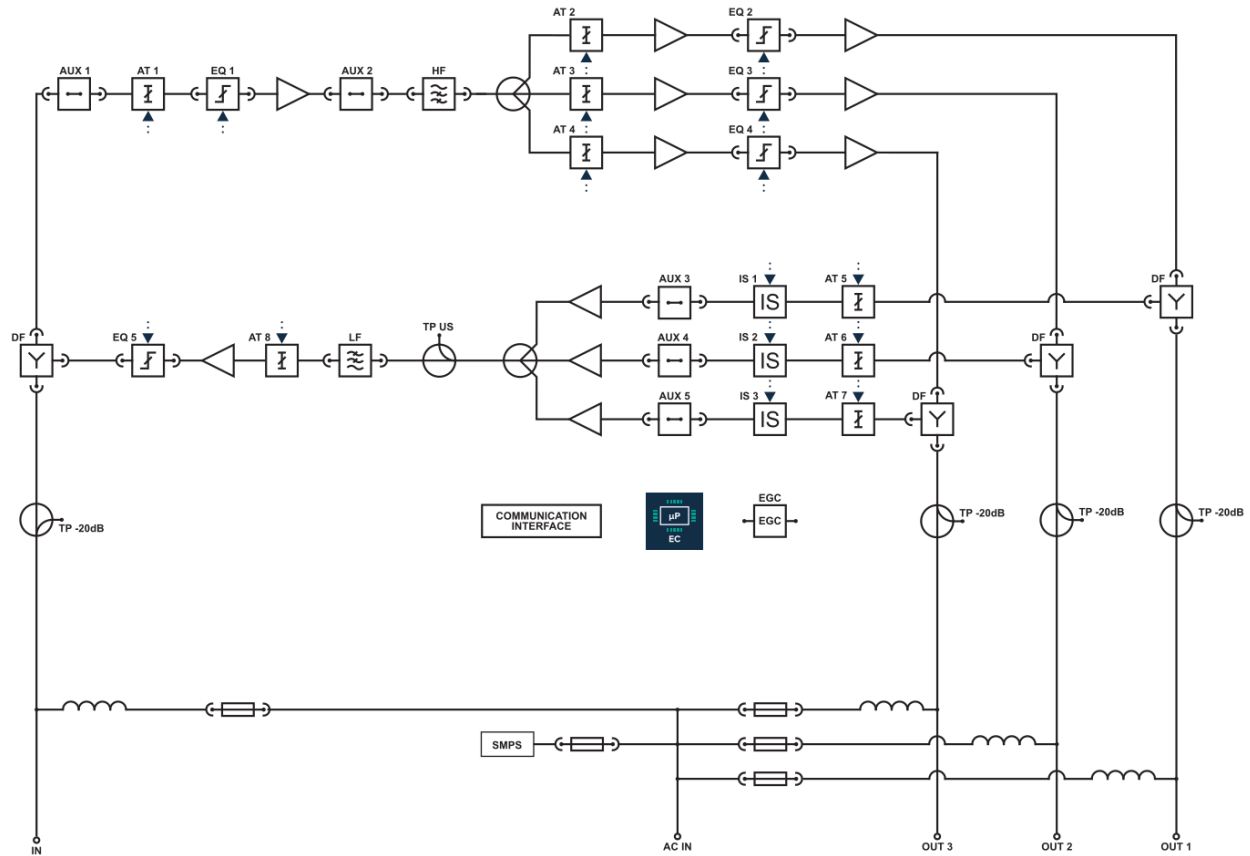
OPTIONAL

- Spectrum Analyzer
- Auto Alignment
- VIG (VECTOR Ingress Guard)
- ALSC (Automatic Level and Slope Control)

SPECIFICATIONS

RF PARAMETERS FORWARD CHANNEL	
Bandwidth	85...258 - 1218 MHz
Gain @1.2 GHz TRUNK / DISTRIBUTION	3 x 35 / 44 ±0.5 dB
Noise figure	< 7.5 dB
Flatness TRUNK / DISTRIBUTION	±0.75 dB
Output level:	
CTB ≤ -60 dBc	3 x 118 dBμV
CSO ≤ -60 dBc	3 x 120 dBμV
Umax	3 x 112 dBμV
Input testpoint (directional)	-20 ±1.0 dB
Output testpoints (directional)	-20 ±0.75 dB
RF PARAMETERS REVERSE CHANNEL	
Bandwidth	5 - 65...204 MHz
Gain @204 MHz	3 x 25 ±0.75 dB
Noise figure	< 10 dB
Flatness	±0.5 dB
NPR / Dynamic range	47 dB / 25 dB
OTHERS	
Voltage range:	
remote powering	30 - 65 V AC
Max. current for RF / AC IN ports	10 / 16 A
HUM modulation	≤ -62 for 7 A
Return loss	> 18 dB
Power consumption	53 W
Operation temperature range	-40 - 60 °C
RF Connectors	4 x 5/8"
Protection class	IP 67
ESD protection	4 kV
Surge protection	6 kV
Dimensions (W x L x H)	255 x 234 x 128 mm
Weight	4 kg

BLOCK DIAGRAM



Downstream Configuration:

Input/Interstage gain control (AT1, AT2, AT3, AT4): 0 - 20, step 0.5 dB

Input/Interstage slope control (EQ1, EQ2, EQ3, EQ4, EQ5): 0 - 18, step 0.5 dB

Upstream Configuration:

Output/Interstage gain control (AT5, AT6, AT7, AT8): 0 - 20, step 0.5 dB

Output slope control (EQ4): 0 - 18, step 0.5 dB

Ingress switches (IS1, IS2, IS3): 0, -6, -40 dB

ORDERING INFORMATION

AVAILABLE VERSIONS	
HARGON 3810 079Y	remote powering