

HARGON 2630

Distribution amplifier, 1 active output, 1 GHz / 200 MHz



RF PARAMETERS

Forward Channel

Bandwidth	85...260 - 1006 MHz
Gain @1GHz	40 ± 0.75 dB
Noise figure ¹	< 8.0 dB
Flatness ²	± 0.75 dB
Slope	± 1 dB
Output level ^{3,4} :	
CTB ≤ -60dBc	114 dBμV
CSO ≤ -60dBc	118 dBμV
Return loss ⁵	> 18 dB
Input testpoint (bi-directional) ⁶	- 20 ± 1.5 dB
Output testpoints (directional)	- 20 ± 0.5 dB
Forward gain (A), slope (E) control:	
A1, E1	0 - 20 step 0.5 dB
A2, E2	0 - 15 step 0.5 dB

Reverse Channel

Bandwidth	5 - 65...200 MHz
Flatness ⁷	± 0.75 dB
Return loss ⁸	> 18 dB
Gain ⁹	26 / -8 dB
HUM modulation ¹⁰	≤ -60 dBc
Reverse gain (A), slope (E) control:	
A3, A4, E3	0 - 20 step 0.5 dB

OTHERS

Voltage range:	
remote powering ¹¹	24 - 65 V AC
Mains powering	230 ± 10% V AC
Max. current for RF ports	10 A
Max. current for AC IN port	12 A
Power consumption ¹²	16 W
Operation temperature range	- 40 - 60 °C
Connectors	PG11 (others on request)
Protection class	IP 67
Dimensions (W x L x H) ¹³	245 x 199 x 90 mm
Weight	2.4 kg

AVAILABLE VERSIONS

HARGON 2630	mains powering
HARGON 2630	remote powering



1 GHz technology
An extended bandwidth in downstream up to 1 GHz



200 MHz technology
A possibility of extending bandwidth in upstream up to 200 MHz



GaN Technology
The Output parameters for analog and digital carriers improved for lower power consumption



HHT (Hand Held Terminal) support
A quick and intuitive configuration of devices; the electronic documentation of the network



Electronic adjustment
Easy configuration by using buttons and LED Indicator



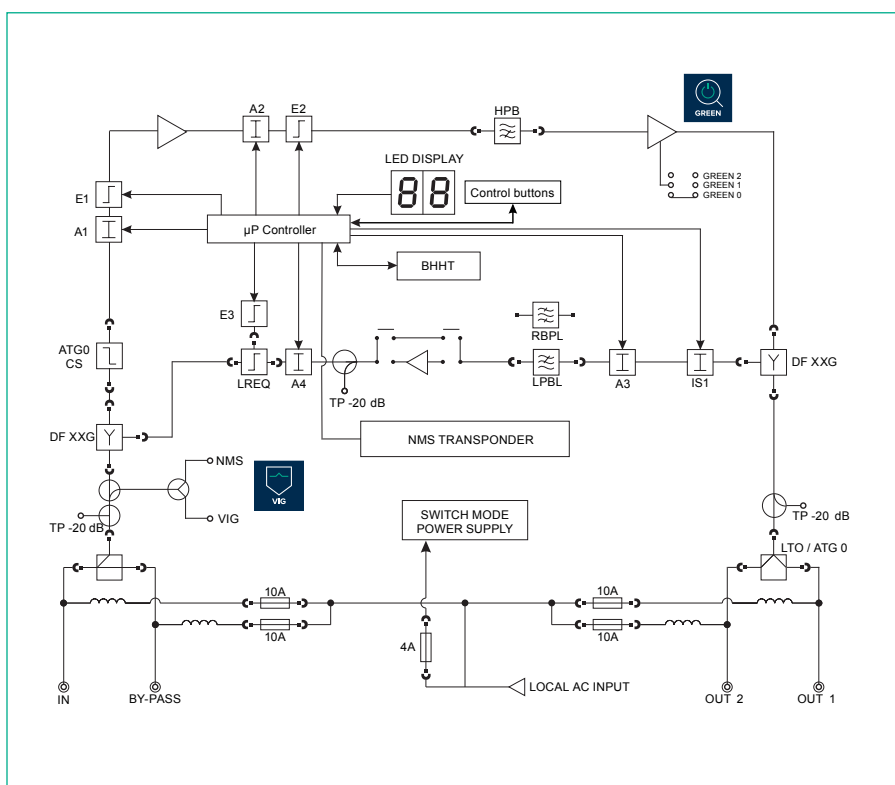
NMS transponder
Reduced operating costs thanks to the remote monitoring and configuration



VIG (VECTOR INGRESS GUARD)
System compliant; Verification and elimination of the source of ingress in the network



GREEN mode
A significant reduction of power use thanks to optimization of its consumption



- N.F. < 8dB for f ≤ 862MHz; N.F. < 8.5 dB for f ≤ 1002 MHz, typical value
- Valid 15MHz after the starting frequency of the selected duplex filter
- According to EN50083-3, 9dB interstage slope, 42 channels CENELEC, value measured & guaranteed per each product
- GREEN 0 (CTB / CSO = 114 / 118), GREEN 1 (CTB / CSO = 112 / 118), GREEN 2 (CTB/CSO = 110 / 115)
- 18dB for f ≤ 40MHz, 18dB -1.5 dB / oct for f > 40 MHz
- 20 +/- - 0.5 dB
- For 5 - 60 MHz with DF65G
- > 16 dB for 5 MHz < f < 8 MHz; > 18 dB for f > 8 MHz
- For active return path / passive return path; +/- - 1 dB
- For f > 16 MHz, remote current < 6 A @ 25 °C, typical value
- With NMS transponder 30 - 65 V AC
- Without NMS transponder
- Dimensions with wall mounting hinges: 263 x 227 x 90 mm

Unless otherwise specified, all specifications are tested with 65 / 85 duplex filters installed, without TO on OUTPUT, GREEN=0, at room temperature 25°C