HARGON 2730

Distribution amplifier, 2 active outputs, 1 GHz / 200MHz

RF PARAMETERS

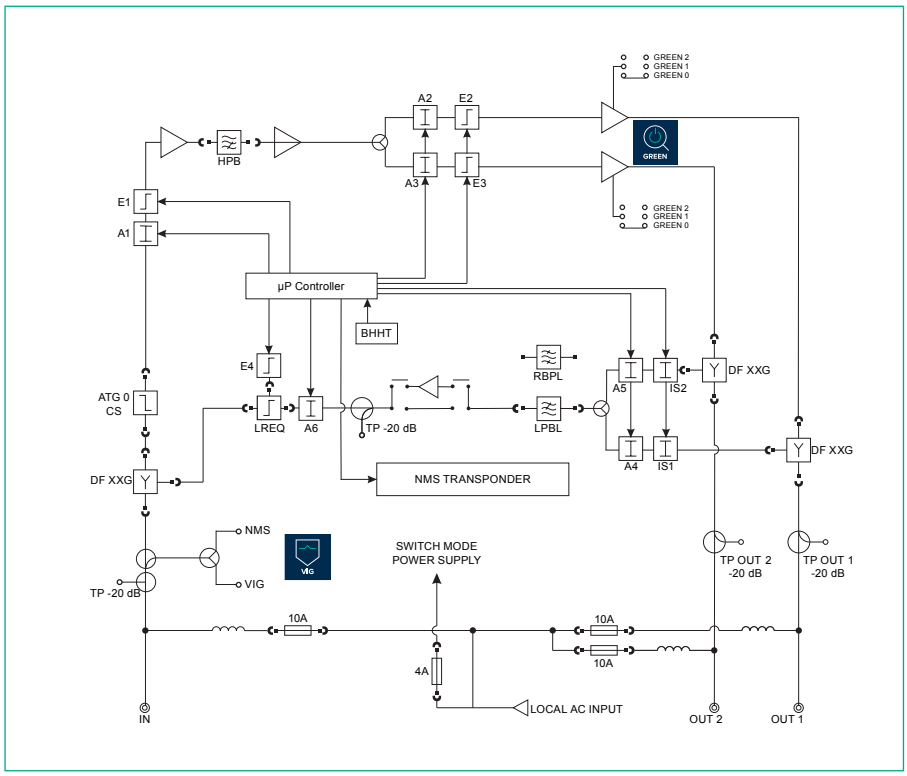
Forward Channel	
Bandwidth	85...260 - 1006 MHz
Gain @1 GHz	2 x 43 ± 0.75 dB
Noise figure, typical value	< 8 dB
Flatness [1]	± 0.75 dB
Slope	± 1 dB
Output level [2, 3]:	
CTB ≤ - 60 dBc	118 dBµV
CSO ≤ - 60 dBc	118 dBµV
Return loss [4]	> 18 dB
Input testpoint (bi-directional)	- 20 ± 1.5 dB
Output testpoints (directional)	- 20 ± 0.5 dB
Forward gain (A), slope (E) control:	
A1, E1	0 - 20 step 0.5 dB
A2, A3	0 - 20 step 0.5 dB
E2, E3	0 - 15 step 0.5 dB
Reverse Channel	
Bandwidth	5 - 65...200 MHz
Flatness [5]	± 0.75 dB
Return loss [6]	> 18 dB
Gain	25 / - 11 dB
HUM modulation [7]	≤ - 60 dBc
Reverse gain (A), slope (E) control:	
A4, A5, A6, E4	0 - 20 step 0.5 dB

OTHERS

Voltage range:	
remote powering [8]	30 - 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 [9]	36 W
Operation temperature range	- 40 - 60 °C
Connectors	PG11 (others on request)
Protection class	IP 67
Dimensions (W x L x H)	245 x 215 x 91 mm
Weight	3 kg

AVAILABLE VERSIONS

HARGON 2730	remote powering
HARGON 2730	mains 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

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

CMS compliant
An easy and convenient process of network documentation thanks to the CMS software

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

1. Valid 15 MHz above the starting frequency of the selected diplex filter
2. According to EN50083-3, 9 dB interstage slope, 42 channels CENELEC, typical value
3. GREEN 0 (CTB/CSO = 118 / 118), GREEN 1 (CTB / CSO = 116 / 118), GREEN 2 (CTB/CSO = 114 / 118)
4. 18 dB for f ≤ 40 MHz, 18 dB -1.5 dB / oct for f > 40 MHz
5. 7 MHz < f < 63 MHz
6. > 16 dB for 5 - 8 MHz; > 18 dB for f > 8 MHz + 1.5 dB/oct. for f > 40 MHz
7. For f >18 MHz, remote current < 8A @25°C, typical value
8. With NMS transponder 30 - 65 V AC
9. Without NMS transponder @ 25 °C @ 65 V AC, GREEN 0; 31W = GREEN 1; 28W = GREEN 2

Unless otherwise specified, the whole specifications are tested with 65 / 85 diplex filters installed; GREEN = 0, at room temperature 25°C.

21/03/2016 Specifications are subject to change without notice.