eXcellento Red HQ DCSS series

Technical Features eXcellento Red HQ DCSS series

Reference	**eXcellento Red HQ DCSS**
Code	0400320 *
Type LNC	dCSS
Inputs / Outputs	1 input: TER / 2 outputs: 1 dCSS port, 1 Legacy (Wideband) port
Reflector type	Offset
Feedhorn mounting	40 mm (standard size)
Operation temperature	-30°C ~ +60°C
Connectors	F type
	Terrestrial input port
Frequency range	47 ~ 862 MHz
Loss	2 ~ 7 dB
Return loss	10 dB (Min.)
Mix terrestrial port	Only dCSS port
	Legacy (Wideband) output port
Input frequencies	10.7 ~ 12.75 GHz
Output frequencies	300~ 2350 MHz
Local oscillators	10.40 GHz
L.O. Temperature drift	±1 MHz Initial Accuracy (@25 °C) / ±3 MHz 30°C ~ +60°C
L.O. Phase noise	-80 dBc/Hz@10KHz Offset
Noise figure	< 1 dB (Max.)
Conversion gain	55 dB (Min.)
Gain flatness characteristics	5 dBpp (Typ.) over operating band / ±0.75 dB (Max.) any 27MHz bandwith
1dB output gain compression	0 dBm (Mín.)
Image rejection	35 dB (Mín.)
Output VSWR	2.0:1
Cross polarization isolation	20 dB (Típ.)
Voltage supply	10.5 ~ 14.0 VDC Vertical Polarization / 16.0 ~ 21.0 VDC Horizontal Polarization / 22 ±4 KHz Band switching
Current consumption	90 ~ 120 mA
Impedance	75 Ω

* See product codes according to frequency plan

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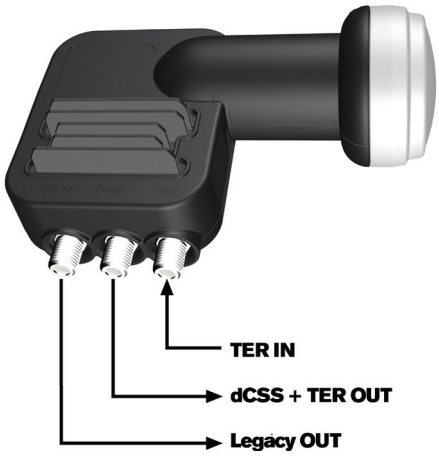
	dCSS L-Band Module Output
Frequency range	950 ~ 2150 MHz
Channel bandwith	38 MHz
Minimum output power per transponder	-30 dBm
Output channel to channel power variation, in AGC range	5 dBpp (Typ.)
Gain below AGC range	17 dB (Min.)
AGC control range	25 dB (Min.)
RF Input to IF output isolation	35 dB (Min.)
Nominal impedance	75 Ω
Input voltage range RF dCSS output port	10.5 ~ 21.0 V
Current consumption	400 mA (Typ.)

	Frequency plan			
Code	0400320		0400320-SE	
Unicable 2.0 plan frequencies (EN50607) 24 channels	CH1: 1210 MHz CH2: 1420 MHz CH3: 1680 MHz CH4: 2040 MHz CH5: 978 MHz CH6: 1028 MHz CH7: 1072 MHz CH8: 1116 MHz CH9: 1160 MHz CH10: 1271 MHz CH11: 1315 MHz CH12: 1359 MHz	CH13: 1484 MHz CH14: 1528 MHz CH15: 1572 MHz CH16: 1616 MHz CH17: 2084 MHz CH18: 2128 MHz CH19: 1816 MHz CH20: 1860 MHz CH21: 1904 MHz CH22: 1948 MHz CH23: 1992 MHz CH24: 1728 MHz	CH1: 1210 MHz CH2: 1420 MHz CH3: 1680 MHz CH4: 2040 MHz CH5: 1005 MHz CH6: 1050 MHz CH7: 1095 MHz CH8: 1140 MHz CH9: 1260 MHz CH10: 1305 MHz CH11: 1350 MHz CH12: 1475 MHz	CH13: 1520 MHz CH14: 1565 MHz CH15: 1610 MHz CH16: 1725 MHz CH17: 1770 MHz CH18: 1815 MHz CH19: 1860 MHz CH20: 1905 MHz CH21: 1950 MHz CH22: 1995 MHz CH23: 2085 MHz CH24: 2130 MHz
Unicable 1.0 plan frequencies (EN 50494) 8 channels	CH1: 1210 MHz CH2: 1420 MHz CH3: 1680 MHz CH4: 2040 MHz	CH5: 978 MHz CH6: 1028 MHz CH7: 1072 MHz CH8: 1116 MHz	CH1: 1210 MHz CH2: 1420 MHz CH3: 1680 MHz CH4: 2040 MHz	CH5: 1005 MHz CH6: 1050 MHz CH7: 1095 MHz CH8: 1140 MHz



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