PREMIUM dCSS

MODEL: dCSS

Technical specifications PREMIUM dCSS LNB

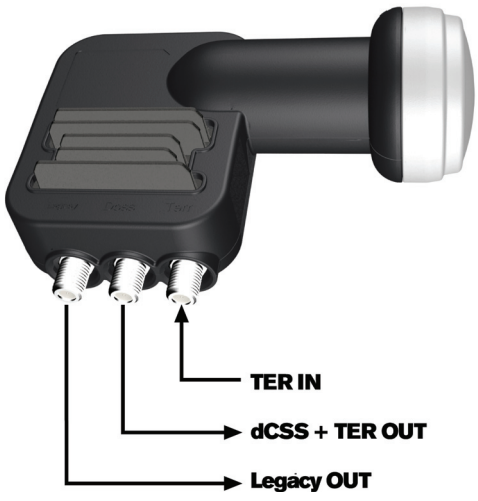
Reference	**PREMIUM dCSS**		
Code	0400406		
LNC type	dCSS		
Inputs / Outputs	1 input: TER / 2 outputs: 1 dCSS port, 1 Legacy port		
Reflector type	Offset		
Feedhorn mounting	40 mm (Standard size)		
Operation temperature	-30ºC ~ +60ºC		
Output connectors	F type		
dCSS output port			
Frequency range	950 ~ 2150 MHz		
Frequency plan DiSEqC 2.0 (EN50607) 24 channels	CH1: 1076 MHz CH2: 1178 MHz CH3: 1280 MHz CH4: 1382 MHz CH5: 1484 MHz CH6: 1586 MHz CH7: 1688 MHz CH8: 1790 MHz	CH9: 975 MHz CH10: 1025 MHz CH11: 1225 MHz CH12: 1330 MHz CH13: 1430 MHz CH14: 1535 MHz CH15: 1630 MHz CH16: 1730 MHz	CH17: 1840 MHz CH18: 1880 MHz CH19: 1920 MHz CH20: 1960 MHz CH21: 2000 MHz CH22: 2040 MHz CH23: 2080 MHz CH24: 2125 MHz
Frequency plan DiSEqC 1.0 (EN50494) 8 channels	CH1: 1076 MHz CH2: 1178 MHz CH3: 1280 MHz	CH4: 1382 MHz CH5: 1484 MHz CH6: 1586 MHz	CH7: 1688 MHz CH8: 1790 MHz
Channel bandwith	47 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 Output DCSS port	10.5 ~ 21.0 V		
Current consumption	400 mA (Typ.)		

BCN Distribuciones, S.A.U.
Agustí Pi i Sunyer, 15
08192 Sant Quirze del Vallès (Barcelona) - SPAIN
Tel.: +34 93 729 27 00
Fax: +34 93 729 30 73
info@ftemaximal.com
www.ftemaximal.com

PREMIUM dCSS

LTE Protected

Legacy output port	
Input frequency	10.7 ~ 12.75 GHz
Output frequency	300~ 2350 MHz
L.O. frequency	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 (Min.)
Image rejection	35 dB (Min.)
Output VSWR	2.0:1
Cross polarization isolation	20 dB (Typ.)
Voltage supply	10.5 ~ 14.0 VDC Vertical Polarization / 16.0 ~ 21.0 VDC Horizontal Polarization
Current consumption	90 ~ 120 mA
Output impedance	75 Ω
Terrestrial input port	
Terr. frequency range	47 ~ 862 MHz
Port with Terr mix	Only dCSS port
Insertion Loss Terr - dCSS	2 ~ 7 dB
Output return loss	10 dB (Min.)



LNC PREMIUM dCSS connections

BCN Distribuciones, S.A.U.
Agustí Pi i Sunyer, 15
08192 Sant Quirze del Vallès (Barcelona) - SPAIN
Tel.: +34 93 729 27 00
Fax: +34 93 729 30 73
info@ftemaximal.com
www.ftemaximal.com