

LNB'S

DRO 10G / DRO 20G / DRO 40G / DRO 80G / DRO 44G / DRO 21

Professional LNBs with DRO (Dielectric Resonator Oscillator) technology

Very low noise figure

Optimized phase noise

Suitable for installations with low-quality signal (on edges of satellite footprint)

High immunity against 4G/UMTS at 1800 MHz ($\geq 45\text{dB}$)

High rejection to Lte signals

Double mechanical protection. Lte interferences protection.

REFERENCE		DRO 10G	DRO 20G	DRO 40G	DRO 80G	DRO 44G	DRO 21
Code		022017	022018	022014	022019	022015	022009
Type		Single	Twin	Quad	Octo	Quattro	Single monoblock 6°
Input frequency	GHz	10,7 - 11,7 / 11,7 - 12,75	10,7 - 11,7 / 11,7 - 12,75	10,7 - 11,7 / 11,7 - 12,75	10,7 - 11,7 / 11,7 - 12,75	10,7 - 11,7 / 11,7 - 12,75	10,7-11,70/ 11,70-12,75
O.L.1 frequency	GHz	9,75 (0KHz)	9,75 (0KHz)	9,75 (0KHz)	9,75 (0KHz)	9,75 (0KHz)	9,75 (0 KHz)
O.L.2 frequency	GHz	10,6 (22KHz)	10,6 (22KHz)	10,6 (22KHz)	10,6 (22KHz)	10,6 (22KHz)	10,6 (22 KHz)
O.L. stability	MHz	$\pm 1\text{ dB} (-40... +60^\circ\text{C})$	$\pm 1\text{ dB} (-40... +60^\circ\text{C})$	$\pm 1\text{ dB} (-40... +60^\circ\text{C})$	$\pm 1\text{ dB} (-40... +60^\circ\text{C})$	$\pm 1\text{ dB} (-40... +60^\circ\text{C})$	$\pm 1\text{ dB} (-40... +60^\circ\text{C})$
B1 output frequency	MHz	950 - 1950	950 - 1950	950 - 1950	950 - 1950	950 - 1950	950-1950
B2 output frequency	MHz	1100 - 2150	1100 - 2150	1100 - 2150	1100 - 2150	1100 - 2150	1100-2150
Gain	dB	60 max	63 max	63 max	63 max	63 max	55 Typ
Noise factor	dB	0,2	0,2	0,2	0,2	0,2	0,2
Phase noise	dBc/ Hz	-60 (1 KHz) -80 (10 KHz) -100 (100 KHz)	-60 (1 KHz) -80 (10 KHz) -100 (100 KHz)	-60 (1 KHz) -80 (10 KHz) -100 (100 KHz)	-60 (1 KHz) -80 (10 KHz) -100 (100 KHz)	-50 (10 KHz) -75 (100 KHz)	-60 (1 KHz) -80 (10 KHz) -100 (100 KHz)
Feeding / Polar. Control	Vdc	10,5-14,5 (V) 15,5-21 (H)	10,5-14,5 (V) 15,5-21 (H)	10,5-14,5 (V) 15,5-21 (H)	10,5-14,5 (V) 15,5-21 (H)	10,5-14 (V) 16-20 (H)	10,5-14,5 (V) 15,5-21 (H)
Consumption	mA	80	110	210	210	210	120
Polarity rejection	dB	25 Typ	25 Typ	25 Typ	25 Typ	25 Typ	25 Typ
Working temperature	°C	-40...+60	-40...+60	-40...+60	-40...+60	-30...+60	-40...+60
Lte / 4G Filter		✓	✓	✓	✓	✓	✓
Double Shielding		✓	✓	✓	✓	✓	✓



DRO 10G



DRO 20G / DRO 40G / DRO 44G



DRO 80G