

TRIAX® Universal Quad LNB

for connection to four separate set-top boxes

Type:	CS 404 QS Universal Quad LNB, RAL 7035	TIQD 001 Universal Quad LNB, Slim Line, RAL 7035	TQD 006 Universal Quad LNB, RAL 7035	TQD 007 Elliptical Quad LNB - for Mk4 elliptical satellite dish, RAL 7016	CS 504 QST
Art. no.	350043	304476	304442	304444	350046
CHARACTERISTICS					
Phase noise @ 1 kHz	- 60dBc/Hz	- 50dBc/Hz	- 50dBc/Hz	- 50dBc/Hz	
Phase noise @ r10 kHz	- 80dBc/Hz	- 75dBc/Hz	- 75dBc/Hz	- 75dBc/Hz	
Phase noise @ 100 kHz	- 100dBc/Hz	- 95dBc/Hz	- 95dBc/Hz	- 95dBc/Hz	
Spurious level	- 60 (max.)dBm	- 60 (max.)dBm	- 60 (max.)dBm	- 60 (max.)dBm	
Image rejection (min.)	40dB	40dB	40dB	40dB	
Feedhorn F/D @ 11.7	0.615	0.615	0.615	0.615	
Frequency stability (-40 ~ +60 °C)	± 2.0:1MHz	± 2.1:1MHz	± 2.1:1MHz	± 2.1:1MHz	
Switching position	nonenone	nonenone	nonenone	nonenone	
Switching low band	0.0kHz	0.0kHz	0.0kHz	0.0kHz	0kHz
Switching high band	22 (± 4)kHz	22 (± 4)kHz	22 (± 4)kHz	22 (± 4)kHz	22kHz
FREQUENCY					
Output frequency high band	1100 - 2150GHz	1100 - 2150GHz	1100 - 2150GHz	1100 - 2150GHz	1100 - 2150GHz
Output frequency low band	950 - 1950GHz	950 - 1950GHz	950 - 1950GHz	950 - 1950GHz	950 - 1950GHz
LO frequency high band	10.6GHz	10.6GHz	10,6GHz	10.6GHz	10,6GHz
LO frequency low band	9.75GHz	9.75GHz	9,75GHz	9.75GHz	9,75GHz
Input frequency high band	11.7 - 12.75GHz	11.7 - 12.75GHz	11.7 - 12.75GHz	11.7 - 12.75GHz	11,7- 12,75GHz
Input frequency low band	10.7 - 11.7GHz	10.7 - 11.7GHz	10.7 - 11.7GHz	10.7 - 11.7GHz	10,7-11,7GHz
GAIN					
Gain flatness (across 26 MHz segm)	± 1.0 (typ.)dB	± 1.0 (typ.)dB	± 1.0 (typ.)dB	± 1.0 (typ.)dB	± 1.0 (typ.)dB
Gain variation (over operating band)	5 p-p (typ.)	5 p-p (typ.)	5 p-p (typ.)	5 p-p (typ.)	5 p-p (typ.)
Conversion gain (max.)		64dB	64dB	64dB	
Conversion gain (min.)		50dB	50dB	50dB	
Conversion gain (typ.)	56dB				56dB
Noise figure max.	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB
ISOLATION					
Cross polarization isolation	25 typ.dB	25 typ.dB	25 typ.dB	25 typ.dB	20 typ.dB
OPERATIONAL					
DC Current consump.(typ.)	140mA	190mA	180mA	180mA	160mA
Operating voltage vertical	10.5 ~ 14.5V/DC	10.5 ~ 14.5V/DC	10.5 ~ 14.5V/DC	10.5 ~ 14.5V/DC	10.5...21.0VDC
Operating voltage horizontal	15.5 ~ 21V/DC	15.5 ~ 21.0V/DC	15.5 ~ 21.0V/DC	15.5 ~ 21.0V/DC	
Operating temperature range	-40 ~ +60°C	-40 ~ +60°C	-40 ~ +60°C	-40 ~ +60°C	-40 ~ +60°C
CONNECTORS					
Connector Type	F-female	F-female	F-female	F-female	F-female
MECHANICAL					
Packing QTY	50	50	50	50	
Max. depth incl. feedhorn	145mm	135mm	135mm	135mm	
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7016	
Diameter	Ø 40mm	Ø 40mm	Ø 40mm	Ø 40mm	Ø40mm
Height (mm)	137mm	137mm	137mm	137mm	
Depth (mm)	97mm	97mm	97mm	97mm	
Width (mm)	59mm	59mm	59mm	59mm	
Weight (kg)					

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TECHNICAL
APPENDIX