

TRIAX® Universal Single LNB

for the typical private home installation

Type:	CS 300 S RAL 7035	THSI 01 High Gain +5 dB	TISI 001 Slim Line	TMB 002 6° Monoblock	TSI 006 RAL 7035	TSI 007 U RAL 7016
Art. no.	350041	304480	304474	300439	304432	304434
CHARACTERISTICS						
Phase noise @ 1 kHz	- 50dBc/Hz	- 50dBc/Hz	- 50dBc/Hz	- 60dBc/Hz	- 50dBc/Hz	
Phase noise @ 10 kHz	- 80dBc/Hz	- 75dBc/Hz	- 75dBc/Hz	- 80dBc/Hz	- 75dBc/Hz	
Phase noise @ 100 kHz	- 100dBc/Hz	- 95dBc/Hz	- 95dBc/Hz	- 100dBc/Hz	- 95dBc/Hz	
Spurious level	- 65 (max.)dBm	- 60 (max.)dBm	- 60 (max.)dBm	- 60 (max.)dBm	- 60 (max.)dBm	
Image rejection (min.)	40dB	40dB	40dB	40dB	40dB	
Feedhorn F/D @ 11.7	0.615	0.615	0.615	0.615	0.615	
Frequency stability (-40 ~ +60 °C)	± 2.5:1MHz	± 2.1:1MHz	± 2.1:1MHz	± 2.0:1MHz	± 2.1:1MHz	
Switching position		nonenone	nonenone	DiSEqC 2.0	nonenone	
Switching low band	0.0kHz	0.0kHz	0.0kHz	0.0kHz	0.0kHz	
Switching high band	22 (± 4)kHz	22 (± 4)kHz	22 (± 4)kHz	22 (± 4)kHz	22 (± 4)kHz	
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)	± 0.5 (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.)		68dB		62dB	62dB	
Conversion gain (min.)		55dB		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	25 typ.dB	
OPERATIONAL						
AC Supply voltage	VAC	VAC	VAC	VAC	VAC	
DC Operating voltage	VDC	VDC	VDC	VDC	VDC	
DC Current consumption (typ.)	110mA	100mA	190mA	110mA	100mA	
Operating voltage vertical	10.5 ~ 14.5V/DC	15.5 ~ 21.0V/DC	15.5 ~ 21.0V/DC	10.5 ~ 14.5V/DC	15.5 ~ 21.0V/DC	
Operating voltage horizontal	15.5 ~ 21.0V/DC	10.5 ~ 14.5V/DC	10.5 ~ 14.5V/DC	15.5 ~ 21.0V/DC	10.5 ~ 14.5V/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 (IEC 61 169-24)	
MECHANICAL						
Packing QTY	50	50	50	30	50	
Max. depth incl. feedhorn	112mm	135mm	135mm	145mm	135mm	
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7016
Diameter	Ø 40mm	Ø 40mm	Ø 40mm	Ø 40mm	Ø 40mm	
Height (mm)	59mm	137mm	137mm	137mm	137mm	
Depth (mm)	112mm	97mm	97mm	97mm	97mm	
Width (mm)	59mm	59mm	59mm	140mm	40mm	
Weight (kg)	0.120	0.120	0.210	0.375	0.120	

TERRESTRIAL
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TECHNICAL
APPENDIX