

Triax LNB units - the best choice



Technical data

Type			TTW 002	TQD 002	TQT 002	TMB 002
Art. No.			Twin universal 300435	Quad universal 300436	Quattro universal 300438	Mono-block 300439
Colour (light grey)			Ral 7035	Ral 7035	Ral 7035	Ral 7035
RF input						
Input frequency range	Low band	GHz	10.7 ~ 11.7	10.7 ~ 11.7	10.7 ~ 11.7	10.7 ~ 11.7
	High band	GHz	11.7 ~ 12.75	11.7 ~ 12.75	11.7 ~ 12.75	11.7 ~ 12.75
Feedhorn		GHz	F/D = 0.615 @ 11.7	F/D = 0.615 @ 11.7	F/D = 0.615 @ 11.7	F/D = 0.615 @ 11.7
IF output						
Output frequency range	Low band	MHz	950 ~ 1950	950 ~ 1950	950 ~ 1950	950 ~ 1950
	High band	MHz	1100 ~ 2150	1100 ~ 2150	1100 ~ 2150	1100 ~ 2150
Output connector type			75Ω female	75Ω female	75Ω female	75Ω female
Output VSWR @ room temp.			2.0:1 (max.)	2.0:1 (max.)	2.1:1 (max.)	2.0:1 (max.)
Local oscillator						
Frequency	Low band	GHz	9.75	9.75	9.75	9.75
	High band	GHz	10.6	10.6	10.6	10.6
Frequency stability		MHz	±2.5 :1 (-40 ~+60°C)	±2.5 :1 (-40 ~+60°C)	±2.5 :1 (-40 ~+60°C)	±2.5 :1 (-40 ~+60°C)
Phase noise @ room temperature		DBc/Hz	-60 @ 1 kHz (max.)	-60 @ 1 kHz (max.)	-50 @ 1 kHz (max.)	-60 @ 1 kHz (max.)
		DBc/Hz	-80 @ 10 kHz (max.)	-80 @ 10 kHz (max.)	-75 @ 10 kHz (max.)	-80 @ 10 kHz (max.)
		DBc/Hz	-100 @ 100 kHz (max.)	-100 @ 100 kHz (max.)	-95 @ 100 kHz (max.)	-100 @ 100 kHz (max.)
Conversion gain	(typ.)	dB	50	50	50	50
	(max.)	dB	62	62	62	62
Gain variation (over operating band)		dB	5 p-p (typ.)	5 p-p (typ.)	5 p-p (typ.)	5 p-p (typ.)
Gain flatness (across 26 MHz segm)		dB	± 1.0 (typ.)	± 1.0 (typ.)	± 1.0 (typ.)	± 1.0 (typ.)
Spurious level		dBm	- 60 (max.)	- 60 (max.)	- 60 (max.)	- 60 (max.)
Noise figure	(Typ.)	dB	0.3	0.3	0.3	0.3
	(Max.)	dB	0.6	0.6	0.6	0.6
Image rejection		dB	40 (min.)	40 (min.)	40 (min.)	40 (min.)
Cross polarization isolation		dB	25 typ. (20 min.)	25 typ. (20 min.)	25 typ. (20 min.)	25 typ. (20 min.)
DC current consumption (typ.)		mA	140	160	140	110
Operating voltage	Vertical	VDC	10.5 ~ 14.5	10.5 ~ 14.5	10.5 ~ 21	10.5 ~ 14.5
	Horizontal	VDC	15.5 ~ 21	15.5 ~ 21	10.5 ~ 21	15.5 ~ 21
Switching	Low band	Hz	0	0		0
	High band	KHz	22 ± 4	22 ± 4		22 ± 4
	Position		none	none	none	DiSEqC 2.0
Operating temperature range		°C	-40 ~ +60	-40 ~ +60	-40 ~ +60	-40 ~ +60
Diameter		mm	40	40	40	40
Width x Height x Depth		mm	59 x 137 x 97	59 x 137 x 97	59 x 137 x 97	59 x 137 x 97
Max. depth incl. feedhorn		mm	145	145	135	145
Weight		kg	0.355	0.365	0.365	0.375
Packing size		pcs.	30	30	30	30