



Features

- Optical to RF convertor (FM,DAB,DTT and Satellite)
- Quad and Quatro versions available
- Automatic Gain Control (AGC)
- Powered by receiver or PSU
- Terrestrial overlaid onto each output (Quad only)
*(Only Quad Products)

Technical Specifications

Satellite (Electrical)

Parameter	Min.	Max.	Notes
RF frequency range (MHz)	950	2150	
Output impedance (Ω)	75	75	
Return loss (dB)	10		
Gain variation across band (dB)		7	
Nominal output level (Quad) (dB μ V)	70	70	For 30 transponders
Nominal output level (Quatro) (dB μ V)	75	75	For 30 transponders
Terrestrial rejection (dB)	30		

* additional variation can occur due to transmitted signal levels.

DTT, DAB and FM (Electrical)

RF Frequency Range (MHz)	Min.	Max.	Notes
DTT	470-862	470-862	
DAB	174-240	174-240	
FM	88-108	88-108	
Nominal impedance (Ω)	75	75	
Return loss (dB)	10		
Nominal DTT output (dB μ V)	68	68	For 6 multiplexes
Gain variation across band (dB)		5	
Noise figure @ max gain (dB)		6	
950-2150MHz rejection (dB)	20		

DTT, DAB and FM (Electrical)

RF Frequency Range (MHz)	Min.	Max.	Notes
DTT	470-862	470-862	
DAB	174-240	174-240	
FM	88-108	88-108	
Nominal impedance (Ω)	75	75	
Return loss (dB)	10		
Nominal DTT output (dB μ V)	68	68	For 6 multiplexes
Gain variation across band (dB)		5	
Noise figure @ max gain (dB)		6	
950-2150MHz rejection (dB)	20		

FM,DAB,DTT and Satellite (Optical)

Parameter	Min.	Max.	Notes
Optical wavelength (nm)	1100	1650	
Optical input power (dBm)	-15	0	Subject to optical budget limitation of system deployed
Control signals (Quad only)			
Vertical select voltage (V)		11	14,5 13V Nominal
Horizontal select voltage (V)		15,5	19 18V Nominal
Low / High band (KHz tone)	0	22	
DC specification			
Input voltage range (V)	10	20	For both direct or line powering
Current consumption (Quad) (mA)		220	@10V
Current consumption (Quatro) (mA)		210	@10V
Environmental Specification			
Operating temperature (°C)	0	40	
Storage temperature (°C)	-20	70	

Connectors	Min.
Quad output	F X 4
Quatro output	F X 5
Power supply	2,1 mm Jack

Dimensions	
Size	109 x 136 x 50 mm (no plastics)
Weight	800 g.

Optical cabling	
Fibre type	Single Mode
Standard	GI-approved G657a