

DDX1010 dual channel MRC true diversity digital receiver

Data sheet



ALPINE 1010

DDX1010 dual digital receiver

Technical specifications

Frequency range	470 – 694MHz (specify at time of order)
Switching bandwidth	Up to 224MHz in 25kHz steps
Diversity	2 Maximal Ratio Combining (MRC) true diversity receivers operating fully independently
Tracking filters	Digitally controlled RF tracking filters
Scan modes (All scan modes allow setting of frequency from scan)	Scan for free channel and set frequency from scan. Full band scan with spectrum analyser display. Narrow selective scans with spectrum analyser display
Modulation mode	Audio Ltd proprietary digital modulation
Frequency stability	±0.002%
Image rejection	> 80dB
Audio codec	Audio Ltd proprietary
Audio frequency response	40Hz – 20kHz
Total harmonic distortion	<0.1% typ.
Analogue audio output voltage	+ 10dBu typ. (balanced)
Audio output attenuator	0dB, -12dB, -24dB, -36dB (selectable)
Digital output	AES3 (balanced)
Output adapters	25 pin D-type Superslot™ Sound Devices™/ (Panasonic™ - analogue) Stand-alone adapter with external DC and audio output cables
Menu	Audio easy access menu©
Display	OLED white on black
Control	3 button navigation
Encryption	User settable Audio Ltd proprietary
External supply voltage	8 – 18V DC
Operating temperature range	-10°C to +55°C
Weight	180g
Dimensions	124 x 68 x 18mm
Optional accessories	25 pin D-type Superslot™ Sound Devices™/ (Panasonic™ - analogue) Stand-alone adapter with external DC and audio output cables