

highlights



SDC 100/RDS front view



SDC 100/RDS rear view

- Stereo separation greater by **65 dB** and S/N greater by **80 dB**
- Filters with **disturbances from radio frequency**
- **Highly sensitive Vu-Meter**
- Power supplier **switching and subdivision** of the masses

- *Separazione stereo maggiore di **65 dB** e S/N maggiore di **80 dB***
- *Filtri contro le **interferenze da radio frequenza***
- ***Vu-Meter ad alta sensibilità***
- *Alimentatore **switching e suddivisione delle masse***

Features

The **SDC100 RVR** stereophonic coder is a high performing stereophonic coder, stereo separation greater by 65 dB and S/N ratio greater by 80 Db. The audio inputs balanced at high level of rejection to common disturbances (CMRR greater by 70 dB from 20 Hz to 15 kHz) are filtered against the Radio Frequency disturbances and protected against common and differential quick disturbances.

The two MPX outputs, each with level control and independent buffers, can pilot loads up to 50 Ohm, maintaining the stereo separation at excellent levels.

The highly sensitive Vu-Meter (20 LED each) allows an accurate measurement of the input audio levels and of the subcarriers SCA and RDS. The **SDC100 RVR** stereophonic coder is also equipped with a switching power supplier able to supply the current necessary to pilot 2 loads of 50 Ohm, whereas the subdivision of the masses (audio and frame) comes from phenomenons of mass loops.

It is possible to insert the Clipper circuit through jumper.

Caratteristiche

Il coder stereofonico **SDC100 RVR** è un codificatore stereofonico di elevate prestazioni, separazione stereo maggiore di 65 dB e rapporto S/N maggiore di 80 Db.

Gli ingressi audio bilanciati ad alto livello di reiezione ai disturbi di modo comune (CMRR maggiore di 70 dB da 20 Hz a 15 kHz) sono filtrati contro le interferenze di Radio Frequenza e protetti contro i disturbi veloci di modo comune e differenziali.

Le due uscite MPX ognuna con controllo di livello e buffer indipendenti, possono pilotare carichi fino a 50 Ohm mantenendo la separazione stereo

ad ottimi livelli. Il Vu-Meter di alta sensibilità (20 led ognuno) consente una accurata misura dei livelli audio d'ingresso e delle sottoportanti SCA ed RDS.

Il coder stereofonico **SDC 100 RVR** è inoltre equipaggiato con un alimentatore switching capace di erogare la corrente necessaria a pilotare 2 carichi di 50 Ohm, mentre la suddivisione delle masse (audio e telaio) previene fenomeni di loops di massa.

E' possibile inserire il circuito Clipper tramite jumper.

Stereo Coder low-cost series

Technical specifications

Parameters	Value
GENERALS	
User Interface	Vu Meter Led
Primary Power	115 - 230 VAC $\pm 15\%$
Physical Dimensions (W x H x D)	483 x 44 x 375 mm
Weigh	4,5 kg
Environmental working temperature	-10 to + 50 °C
AUDIO INPUT (L & R)	
Input level	adjustable from -12 to +15 dBu
Input sensitivity	194 mVrms (-12 dBm)
Input impedance	50 Ohm / 600 Ohm / 10 Kohm (internally selectable)
Input connector	XLR-type, female
Frequency response	< ± 0.3 dB from 20 Hz to 15 KHz
CMRR	> 60 Db
19 KHz suppression	> -50 dB
38 KHz suppression	> -80 dB
Pre-emphasis	OFF / 25 μ S / 50 μ S / 75 μ S (internally selectable)
SCA INPUT	
Input level	adjustable from 0 to +15 dBu for -20 dB output
Input impedance	> 10 KOhm (unbalanced)
Input connector	BNC- type
Frequency response	< ± 0.2 dB from 50 KHz to 100 KHz
RDS INPUT	
Input level	adjustable from 0 to +15 dBu for -20 dB output
Input impedance	> 10 Kohm
Input connector	BNC- type
Frequency response	< ± 0.2 dB from 50 KHz to 100 KHz
STEREO GENERATOR	
Pilot tone frequency	19 KHz ± 1 Hz
Pilot tone level	-20 dB (internally adjustable)
Pilot tone output connector	BNC- type, 1Vpp
Output 1 impedance (multiplex)	50 Ohm (unbalanced)
Output 1 level (multiplex)	adjustable from -10 to +10 dBu
Output 2 impedance (multiplex)	50 Ohm (unbalanced)
Output 2 level (multiplex)	adjustable from -10 to +10 dBu
Separation (50 Ohm output load)	45 dB from 30 Hz to 400 Hz
	55 dB from 400 Hz to 5 KHz
	65 dB from 5 KHz to 10 KHz
Separation (600 Ohm output load)	60 dB from 10 KHz to 15 KHz
	50 dB from 30 Hz to 400 Hz
	60 dB from 400 Hz to 10 KHz
Separation (10 KOhm output load)	57 dB from 10 KHz to 15 KHz
	70 dB from 30 Hz to 5 KHz
	60 dB from 5 KHz to 10 KHz
Subcarrier suppression (38 KHz)	56 dB from 10 KHz to 15 KHz
THD (1 KHz, output = +12 dBm)	> 70 dB
Signal/Noise ratio	< 0.03%
AC power source	-80 dB (DIN AUDIO), decoded, de-emphasized left and right RMS
DC power source	100-120-220-240 Vac $\pm 10\%$ 50-60 Hz
	24 V, 500 mA max

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

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