

SATELLINE-3AS VHF C and SATELLINE-3ASd VHF C radio data modems

Model names: **SATELLINE-3AS VHF C**
SATELLINE-3ASd VHF C (model equipped with LCD display and push buttons)

Types: **SATELLINE-3AS/VHF/C/125** (for 12.5 kHz channel spacing)
SATELLINE-3ASd/VHF/C/125 (for 12.5 kHz ch. sp. and equip. with LCD and buttons)

TECHNICAL DESCRIPTION OF CHANGES

in relation to SATELLINE-3AS VHF radio modem with existing FCC type acceptances

- FCC ID = MRBSATEL-3AS-VHF (version SATELLINE-3AS VHF)

Radio part:

RF transceiver is TC1 which is exactly the same than in the Radio Modem SATELLINE-3AS VHF.

Logic part:

In this part the schematic design and the layout are exactly the same as in the Radio Modem SATELLINE-3AS VHF. The only difference is that the output voltage of the switching regulator has been raised from 6V to 7.2V in order to enable the RF final power amplifier to produce 5W output power.

Mechanics:

In order to cope with additional heat from the power amplifier a heat sink has been added to the backside of the modem. It can be seen from the pictures. The heat sink adds some weight and contributes to the larger physical dimensions of the modem.

Changes in technical specifications:

	SATELLINE-3AS VHF	SATELLINE-3AS VHF C
Maximum RF output power	1 W	5 W
Power consumption	6.6 VA max.	22 VA max.
Dimensions (L x W x H)	137mm x 67mm x 29mm	137mm x 80mm x 56mm
Weight	265 g	550g

Pictures of SATELLINE-3AS VHF C radio modem



Pictures of SATELLINE-3ASd VHF C radio modem

