



DRAGONFLY
a e r o s p a c e



+27 21 206 6556



info@dragonflyaerospace.com



HDRTx-3

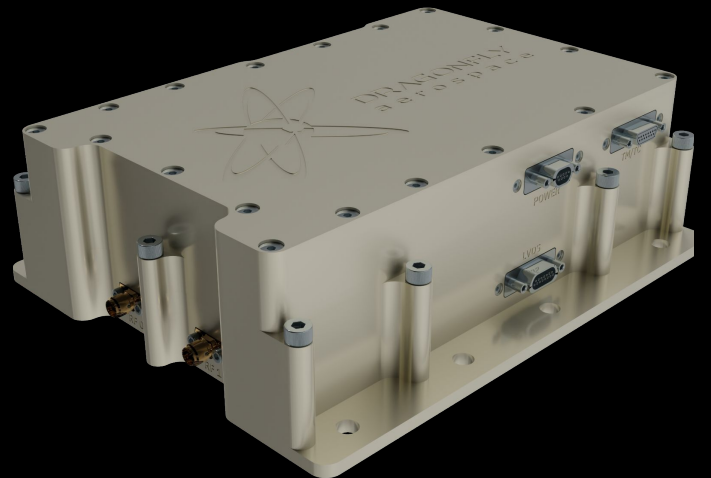
**Dual channel DVB-S2 X-band transmitter
for Low Earth Orbit spacecraft.**



ITAR-Free



TRL 7



Key Specifications

Max Data Rate
Supply Voltage
Operating Temperature Range
Dimensions
Mass
Design Life
Power Consumption (Configuration
Dependent)

3 Gbps
20-40 V
-10 °C to +50 °C
175 x 145 x 55 mm
< 1.6 kg
Up to 8 years LEO
< 36 W

RF Specifications

RF Frequency Range
Max RF Output Power

8.025-8.4 GHz
4W (single channel mode)
2W / channel (dual channel mode)
33 dBm / 36 dBm

Max Symbol Rate

300 + 300 Msps or 600 Msps

Interfaces

TMTC Interface
High-Speed Data Interfaces

CAN, I²C, RS485
GTx, LVDS

ABOUT DRAGONFLY AEROSPACE

Dragonfly Aerospace is an industry leader in world-class, high-performance imaging satellites and payloads. Our turnkey solutions for imaging satellites get these strategic assets operational on orbit within minimum time, cost and risk.

All features, functionality and other product specifications are subject to change without notice or obligation.

©2024 Dragonfly Aerospace (Pty) Ltd. All rights reserved. THIS DOCUMENT AND THE INFORMATION IT CONTAINS ARE PROPRIETARY TO DRAGONFLY AEROSPACE (PTY) LTD.

DRAGONFLY AEROSPACE (PTY) LTD makes no representations and gives no permission or license to use any part of the information, no warranties of whatever nature in respect of the document, including but not limited to the accuracy or completeness of any information, facts and/or opinions contained therein.