



DRAGONFLY
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HDRTx-1.5

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

ITAR-Free

TRL 9



Key Specifications

| | |
|---|-------------------|
| Max Data Rate | 1.5 Gbps |
| Supply Voltage | 20-40 V |
| Operating Temperature Range | -10 °C to +50 °C |
| Dimensions | 175 x 145 x 55 mm |
| Mass | < 1.6 kg |
| Design Life | Up to 8 years LEO |
| Power Consumption (Configuration Dependent) | < 33 W |

RF Specifications

| | |
|---------------------|---|
| RF Frequency Range | 8.025-8.4 GHz |
| Max RF Output Power | 4W (single channel mode) 2W / channel (dual channel mode) 33 dBm / 36 dBm |
| Max Symbol Rate | 150 + 150 Msps or 300 Msps |

Interfaces

| | |
|----------------------------|------------------------------|
| TMTC Interface | CAN, I ² C, RS485 |
| High-Speed Data Interfaces | 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.