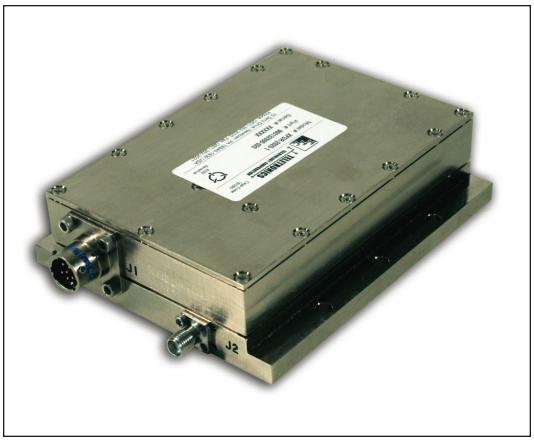
TELETRONICS TECHNOLOGY CORPORATION

XPDR-2020/2050 Datasheet

C-Band Non-Coherent Radar Transponder



Applications

- Instrumentation tracking Radar
- Range Expansion/Enhancement
- UAVs, Target Drones, Missiles & Aircraft

Features

- 20 Watt minimum pulse output power
- Sensitive Super-Heterodyne receiver
- Independent Transmit and Receive frequency Agility
- Small form factor, under 17 cubic inches
- Low weight, under 16 ounces (454 grams)
- Frequency Agile over 5.4 to 5.9 GHz
- Reverse polarity power lead protection
- Selectable code spacing
- Selectable reply delay
- Internal duplexer for single antenna operation
- Mismatch protection from high Antenna VSWR
- IRIG 262-02 compliant

Description

The XPDR-2020/2050 Radar Transponder is an ultra-miniature, 20/50 Watt module used to enhance the capability of C-band radars. The highly integrated design of these modules make them desirable for those applications where size, weight, and DC input power are at a premium. This module is intended for UAV's, compact missiles, and any other platform that requires a premium performance transponder with minimal space and weight allocations. The XPDR-2020/2050 incorporates in its design, the state of the art in power, RF, and digital devices and circuitry. This modern design lends itself to a high reliability, high MTBF module.

*Revision **02/23/2009***

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Specifications subject to change without notice.

AS9100 ISO 9001 KEMA CERTIFICATE

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