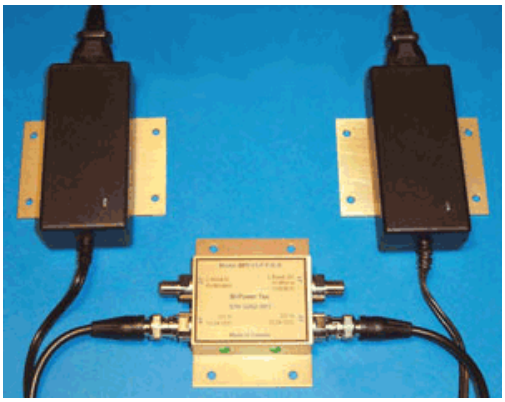
Orbital Research DPT - Dual Power Tee

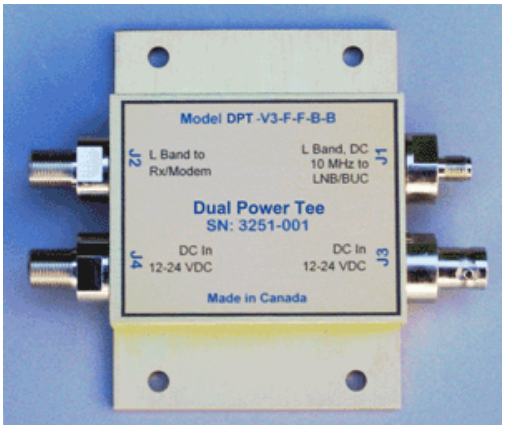
DPT - Dual Power Tee

The least expensive redundancy on the market!

Redundant Power Supplies

The first step in Redundancy, is to protect yourself against the most common cause of failure - loss of power. The Dual Power Tee automatically switches to the second power supply in case of failure. The power supplies are hot-swappable, making the DPT the least expensive redundancy device for your system.





PS20/100 Global Power Supply

Can be used with any System Interface Product

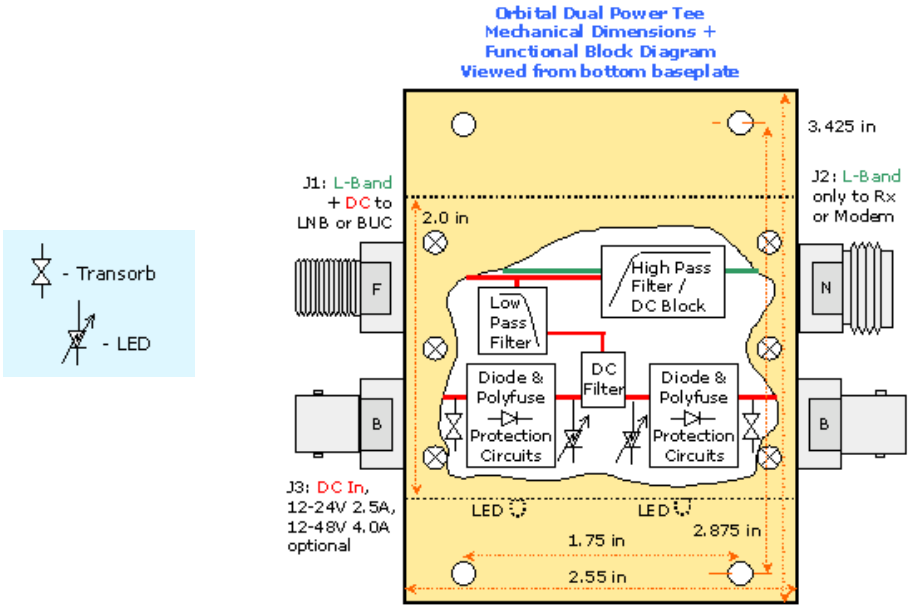
- **Global Input: 90 - 264 Vac**
- **Continuous Short Circuit Protection**
- **Over Voltage Protection**
- **Conductive EMI Meets** CISPR/FCC Class B
- **High Efficiency, 75% Typical**
- **Green Power (Input power < 0.75W at no load)**
- **Meets "European Commission of Energy" 2003 year Phase 2**
- **Also available with SIP mounting plate**

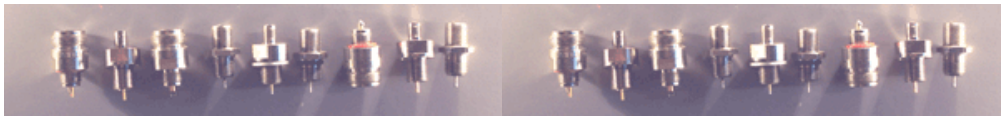
Dual Power Tee

Orbital introduces the **DPT - Dual Power Tee**, a System Interface Product (SIP), that is a Bias Tee with two DC inputs for redundant power supplies. As with the Bias Tee, the Dual Power Tee injects and filters external DC to the LNB/BUC, while providing exceptionally low through loss with highpass filtering of the L band signal. Additional features of the Dual Power Tee are Transorbs - to protect the LNB/BUC and other components from power spikes. We also have optional Polyfuses, that trigger with excess power consumption, but will automatically reset themselves after a few seconds of removal of the cause of the excess current. The diodes are Schotkky - to yield high power, but with a low barrier voltage to minimize voltage drop. Inductors are placed in each DC line to provide AC isolation between each output, along with filters to provide proper bypass. LEDs are mounted on the side of the Dual Power Tee to indicate operation/functionality of each power supply, and a DC filter mitigates interaction between the power supplies.

DPT -

Dual Power Tee



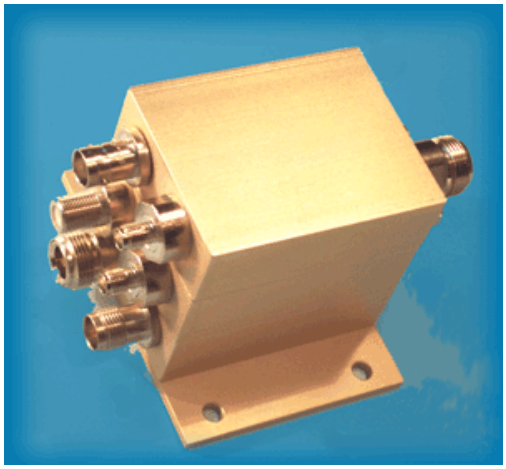


You can also integrate your

Dual Power Tee with other Orbital SIP Products...

Problem: What happens when I want to combine the attributes of more than one Orbital module? What happens if I want to have a 10 MHz source control a BUC and a modem?

Solution: You can mix them and match them, such as a **Dual Power Mux Tee,** and if you don't see it, ask! It may already be able to be made, or it may already be in development. Many of our products now available, have come as a result of customer inquiries and requests.



For instance: MODM - Master Oscillator - Dual Modules

Talk about the complete package! Available in many versions, The MODM can combine both the horizontal and vertical feeds from your antenna (or a BUC and external reference LNB on your antenna), and bring them under the discipline of a single, precise oscillator. It will do this without a mess of cables and 'kluges'. It unites three

orbital products into one unique package. Nowhere else can you get a quality, made for satellite oscillator like the OS-1, combined with a pair of Mux/BiasTees like the MT-1 Mux/Tee.

A MOM - (MasterOscillatorModule)

or a POP - (Precision Oscillator Package)

is a great start!

The Master Oscillator has excellent phase noise and stability, and when integrated with a filtered multiplexer and bias tee, it provides the optimum price versus performance mix. A one box, plug and play solution designed for 'back o rack' mounting. Or if your project is extremely demanding, you could integrate a Precision Oscillator with any of the listed modules.

And now you can combine any two of the following modules into your oscillator package:

DP1 - Diplexer
BT1 - Bias Tee
DPT - Dual Power Tee
MT1 - Mux/Tee

Other Orbital Systems Interface Products

E-mail: sales@orbitalresearch.net

Phone: (604) 856-0305 Fax: (604) 856-0315

Website: http://www.orbitalresearch.net/