



Features

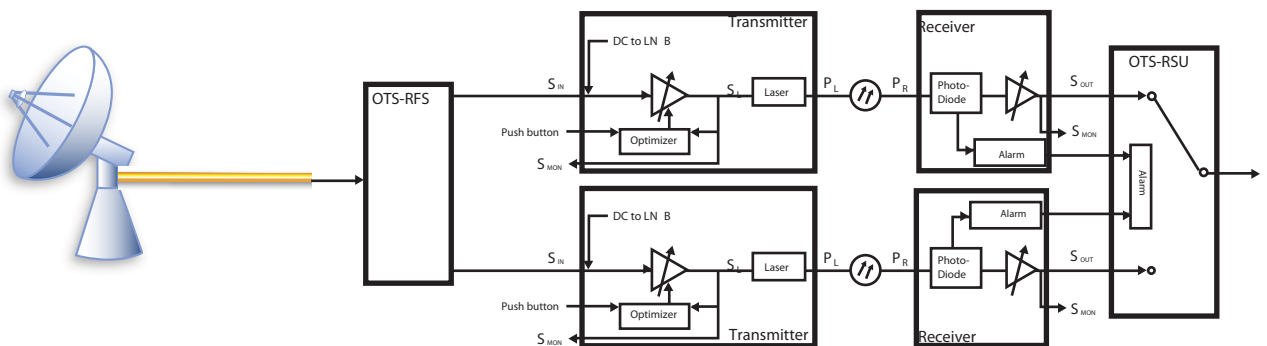
- 5 to 2300 MHz optimized for IF, and L-band satellite signals
- 75 Ohm BNC
- Fits in Optiva® enclosures, which support Daisy Chain™ video, audio and data links.
- CE & CSA Certified Device

5MHz to 2300MHz Wideband Divider

Optiva® Wideband RF Splitter Unit (RFS) is optimized to perform in the 5 to 2300 MHz frequency range providing transparent signal transportation for satellite antenna applications. They provide much longer transmission distances than copper cables, simplify network design, ease installation and even enhance immunity from EMI, RFI and lightning.



Optiva® is a completely modular hot-swappable platform. Both 19" rack mount and compact tabletop or wall-mountable enclosures are available. The 19" rack-mount enclosure (Model OT-CC-16) can support up to 16 insert cards and provides a single power supply (Model PS-200), or a dual-redundant, hot-swappable power supply option. Compact enclosures are available with 1, 2 or 4 slots. The one slot (OT-DTCR-1) and two slot (OT-DTCR-2) enclosures both use an external power supply (PS-9012) and optionally have a standard 2-pin DC power connector for more custom applications. The four-slot 1 RU enclosure (OT-CC-4) uses an integrated power supply. The Optiva® family's existing wide range of video, audio and data transport products include a unique Daisy-Chain™ feature that multiplexes multiple electrical inputs onto a single fiber, thus resulting in an extremely capable, yet conveniently flexible, signal transport system.



OTS-RFS-1

2.3 Wideband RF RF Splitter

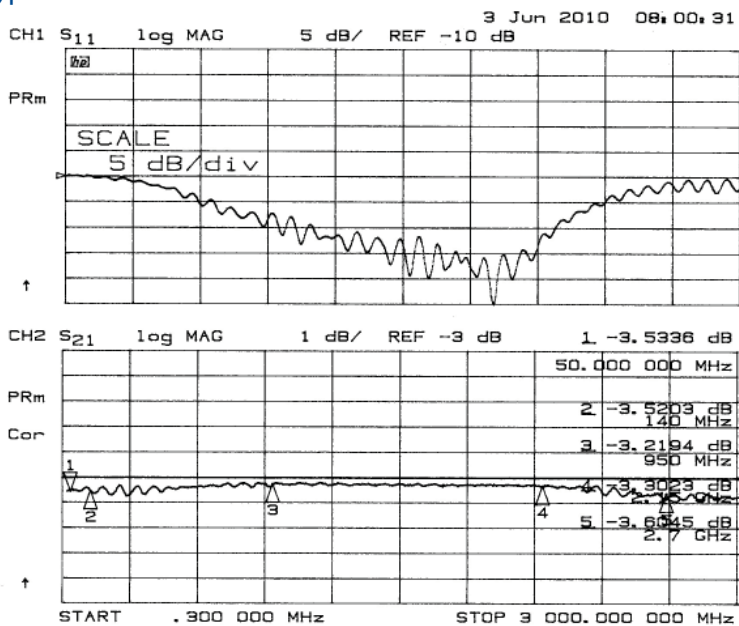
DATASHEET

SATCOM

Performance Highlights

Parameter	Min	Typical	Max	Units
Frequency Range	5	-	2500	MHz
Insertion Loss				
950 - 2050 MHz	--	3.4	3.6	dB
5 - 2500 MHz	--	4.3	4.5	dB
Isolation	12	15	--	dB
Input Return Loss	-13	--	--	dB
Output Return Loss	-13	--	--	dB
Forward RF Power Handling (CW)	--	--	1	W
Reverse RF Power Handling (CW)	--	--	1	W

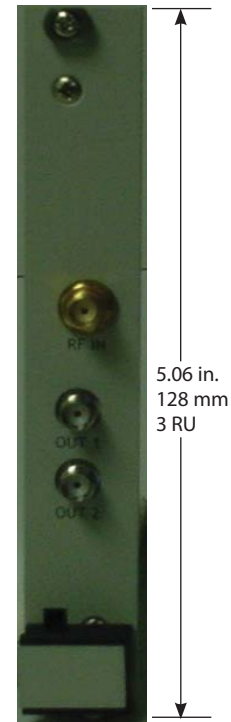
Typical S11 and S21



Ordering Information

Product Code	Specifications
OTS-RFS-1-B7	RFS 5-3500 MHz, BNC 75 ohm
OTS-RFS-1-B7-BB	RFS 5-2300 MHz, BNC 75 ohm, with 2 BNC to BNC cables
OPV-CTLR-IC	NMS SNMP Controller Card & MIB for Optiva Family
OTP-1ETR-A2/A2	Ethernet Transceiver, 10 / 100
OT-CC-16	Chassis, Rack Mount, 16 Slot, 3RU, Front Access)
OT-CC-16-01	Chassis, Rack Mount, 16 Slot, 3RU, Rear Access
PS-200-(xx)	Power Supply, 12Vdc, 100to240Vac, 50/60Hz, (Specify power cord (NA, EU, UK))
OT-CC-4-1U-(xx)	Chassis w/ built-in Power Supply, 1 RU, 4 slots, 110-240 AC input, Power Cord
OT-DTCR-1 / OT-DTCR-2	Chassis, flange-mount, w/ Power Supply, 1 slot / 2 slot

OTS-RFS



Enclosure Options



FCC PART 15 COMPLIANT

MADE IN USA

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