Passive Distribution Components

SUB-CATV CATV Return Path Separator-Combiner

- Separates and isolates sub-band (5~42MHz) from CATV/UHF/ VHF (54~1000MHz) signals, providing for clean insertion into modulators and data translators
- Filters and mixes sub-band and CATV/UHF/ VHF signals to single output, reducing reverse path ingress
- Used as amplifier sub-band bypass enabling cost-effective reverse path upgrade, converting unidirectional amplifiers to bi-directional
- Analog and digital signal compatible
- Prevents VHF/UHF ingress into return path channels
- Min rejection 50dB/Sub
- Sub-band power passive for remote powering applications
- Zinc diecast housing

Specifications

Bandwidth Common

SUB	5 ~ 1000 MHz
CATV	5 ~ 42 MHz
	5 ~ 1000 MHz
Rejection	
SUB	>50 dB
CATV	>60 dB
Insertion Loss	
SUB	<1.0 dB
CATV	<1.5 dB
Return Loss	
SUB	>20 dB
CATV	>25 dB

Ordering Information

SUB-CATV   CATV Return Path Separator-Combiner

Connection Diagram

TSDM-2150 TV-Satellite Diplexers

- Ideally suited for use with stacked satellite polarity systems and bi-directional CATV/SMATV systems that employ return modem and video signal
- Separates and isolates Sub-Band (5~48MHz), CATV/SMATV (54~1000MHz) and satellite (950~2300MHz) signals, providing for clean combining and separation of signals
- Filters and mixes three signal bands to single output, allowing two-way cable and satellite signals on single cable
- Prevents paging, cellular and ham radio signals from interference with satellite, CATV and cable modem signals
- Can be used to cost-effectively upgrade distribution systems with satellite and cable modem services by allowing continued use of existing amplifiers
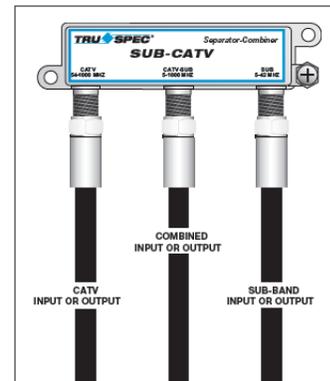- 550mA power passing satellite-port, enabling LNB powering

Specifications

	Bandwidth	Rejection	Insertion Loss
Common	5~2150MHz	-	-
CATV	5~806MHz	>25dB	>2.0dB
SAT	950~2150MHz	>25dB	>2.6dB

Ordering Information

TSDM-2150	TV-Satellite Diplexer
TSDM	TV-Satellite Diplexer
TSDM-DN	TV-Satellite Diplexer

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