

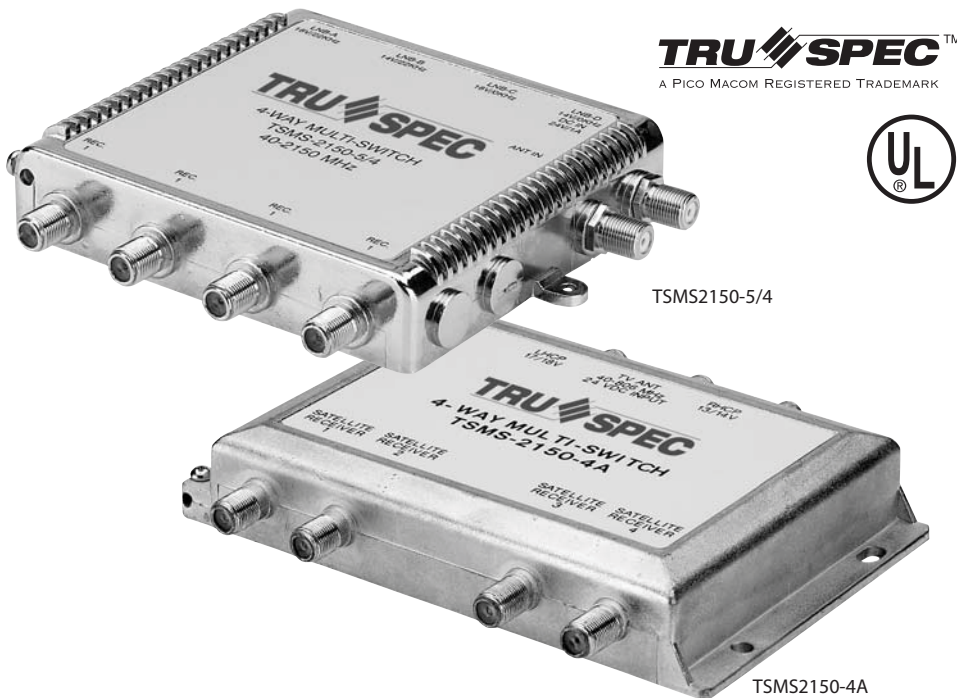


TSMS2150

Series

3x4 and 5x4 Satellite IF Multiswitches

- Wideband frequency range 40-2150MHz
- High performance SMD multi-layered printed-circuit board design ensures high port-to-port isolation to provide spurious carrier protection and to minimize undesired channel interaction, reducing picture distortion
- High output return loss ports specifically designed for MDU networks and multiple-subscriber applications reduces micro-reflections, improves data recovery and lowers harmonic distortions
- Simple F-type connector interface design provides 2 LNB and 1 TV antenna inputs routed to 4 outputs (TSMS2150-4A), or 4 LNB and 1 TV antenna inputs routed to 4 outputs (TSMS2150-5/4)
- High-performance PIN diode matrix reduces polarity transfer time and digital artifacts providing consistent picture quality
- Antenna signal combines with satellite on output, eliminating external combining, reducing cost and clutter
- TSMS2150-4A 3x4 Multiswitch compatible with most DTH Satellite services providing 2 polarities selected by receiver-supplied voltage 13-14V/17-18VDC
- TSMS2150-5/4 5x4 Multiswitch compatible with multi-satellite services providing 4 polarities selected by receiver-supplied voltage 13-14V/17-18VDC and 22kHz tone
- 500mA DC Power pass-through reduces cost by providing the satellite receiver a path to power the LNB
- Built-in low-distortion amplifier compensates for insertion loss reducing need for external amplification
- Heavy-duty nickel-plated diecast housing for maximum corrosion resistance
- Epoxy-sealed backing prevents moisture migration
- Precision machined threads ensure secure port-to-connector interface for improved connectivity
- Available external UL approved power supply to reduce heat buildup increasing unit life



TRU SPEC™
A PICO MACOM REGISTERED TRADEMARK



TSMS2150-5/4

TSMS2150-4A

TSMS2150

Series

3x4 and 5x4 Satellite IF Multiswitches

Pico Macom's TruSpec™ TSMS2150 series of professional-grade satellite multiswitches are used in applications that require satellite IF distribution from 950-2150 MHz, including residential and MDU installations requiring high return loss ports. The advanced circuit design incorporates a pin diode matrix to route any of the inputs to any of the outputs by utilizing the 13-14V Right-Circular/Vertical or 17-18V Left-Circular/Horizontal switching control supplied by the satellite receivers, thus eliminating digital artifacts that result from mechanical relay switching. To compensate for insertion loss, both versions use separate built-in amplifiers for satellite and VHF/UHF signals. The TSMS-2150 series multiswitches, used with the external power supply, will supply power to the LNB's reducing heat build up within the multiswitch and prolong the life of the unit. The TSMS-2150-4A 3x4 satellite multiswitch routes input signals from a single satellite with 2 LNB inputs (950-2150MHz) and an off-air TV antenna input (40-806 MHz) to 4 receiver outputs by means of receiver generated voltage 13-14/17-18VDC. The TSMS-2150-5/4 5x4 satellite multiswitch routes input signals from multiple satellites with 4 LNB inputs (950-2150MHz) and an off-air TV antenna input (40-806 MHz) to 4 receiver outputs by means of receiver generated voltage 13-14/17-18VDC and 22KHz 600mV square-wave tone. The TSMS-2150-5/4 multiswitch can also be used in single satellite applications for upgrade to future HDTV expansion.

Order From:



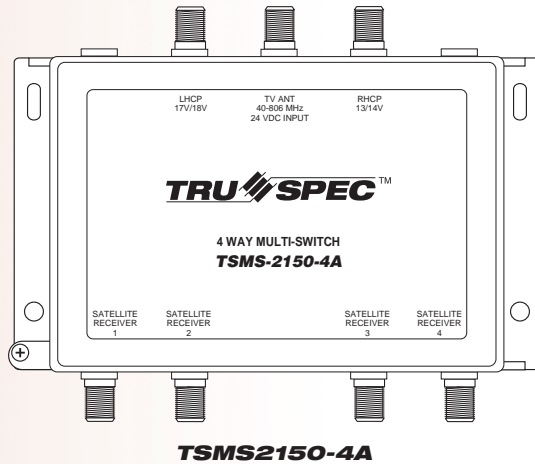
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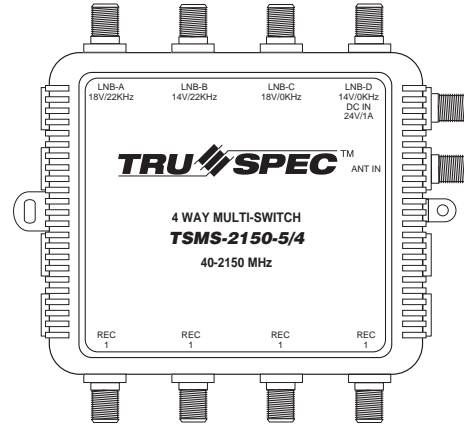
multicom@multicominc.com

TSMS2150 Series

3x4 and 5x4 Satellite IF Multiswitches



TSMS2150-4A



TSMS2150-5/4

Specifications

LNB Input Frequency:	950-2150 MHz	DC Passing Capacity:	
TV Antenna Input Frequency:	40-860 MHz	LNB 1 and 2:	500 mA
Output Frequency:		VHF/UHF:	none
Satellite:	950-2150 MHz	Dimensions:	
Television Antenna:	40-806 MHz	TSMS2150-4A:	5 ⁷ / ₈ "(L) x 5 ¹ / ₈ "(D) x 7 ⁷ / ₈ "(H)
Insertion Loss:	950-2150 MHz	TSMS2150-5/4:	5 ³ / ₄ "(L) x 5 ¹ / ₈ "(D) x 1"(H)
	4 dB minimum	Isolation:	
Connectors:	"F" type	LNB to LNB:	-25 dB minimum
Weight:	2.8 lbs.	Output to Output:	-16 dB minimum
Gain (40-860 MHz)		Cross Polarization:	
TSMS2150-4A:	0 dB typical	950-1750 MHz:	-25 dB minimum
TSMS2150-5/4:	2 dB maximum	1750-2150:	-20 dB minimum

Channel Loading Specifications

Total # of Channels	Max. Input Level	Max. Output Level
7	35 dBmV	Unity Gain
24	20 dBmV	Unity Gain

Ordering Information

TSM2150-4A

3x4 Multiswitch

TSM2150-5/4

5x4 Multiswitch

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