



TSMS2150X

Series

Rack-Mounted Satellite Multiswitches



- ▶ **Wide frequency range**
(TSMS2150-16A 950-2150MHz;
TSMS2150-8AUV 40-2150MHz)
- ▶ **Simple interface design provides**
2 satellite polarity inputs and 8 or
16 outputs, for quick installation
- ▶ **All rear panel connection access**
allows rack or wall mount flexi-
bility
- ▶ **PIN diode matrix reduces polarity**
transfer time and digital artifacts
providing consistent picture
quality
- ▶ **Polarity is selected by receiver**
supplied voltage (14V/18VDC)
compatible with most DTH
satellite services
- ▶ **Antenna signal combines with**
satellite on output eliminating
external combining, reducing
cost and clutter
- ▶ **500 mA voltage power pass-**
through reduces cost by
providing satellite receiver path
for LNB power
- ▶ **Built-in amplifier compensates**
for insertion losses reducing
need of external amplification
- ▶ **External UL Approved power**
supply reduces heat buildup thus
increasing unit life

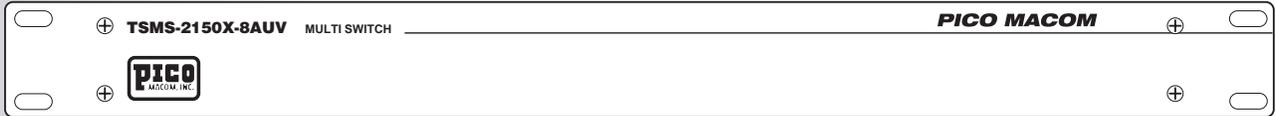
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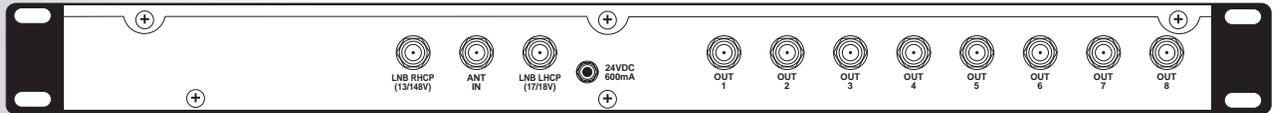
Pico Macom's TSMS-2150X Series rack-mounted satellite multiswitches can be used in every SMATV application requiring satellite 950-2150MHz IF distribution. The easy mount enclosure and all rear panel connections provide for rack mounting or quick and easy wall mounting by simply turning the unit face to the wall. The **TSMS-2150X-8AUV** allows 2 LNB inputs and 1 off-air antenna input (40-806 MHz) and provides 8 outputs, while the **TSMS-2150X-16A** allows 2 LNB inputs and provides 16 outputs. 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/or VHF/UHF signals. The **TSMS-2150X** series, used with the external power supply, will supply power to the LNBs reducing heat build up within the multiswitch and prolong the life of the unit.

TSMS2150X Series

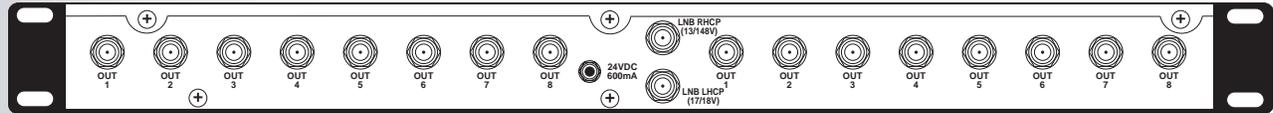
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Front View



TSMS2150X-8AUV Rear View



TSMS2150X-16A Rear View

Specifications

LNB Input Frequency: 950-2150 MHz
 Switching Voltage: 13-14 VDC - RHCP
 17-18 VDC - LHCP
 External Power Adaptor: 24 VDC 600mA
 DC Passing Capacity: 500 mA
 Connectors: "F" type
 Weight (without AC Adaptor): 5.1 lbs.
 TSMS-2150X-8AUV 4.5 lbs.
 TSMS-2150X-16AUV 5.1 lbs.
 Dimensions: 19"(L) x 2.87"(D) x 1³/₄"(H)

TSMS2150X-8AUV

TV Antenna Input Frequency: 40-860 MHz
 Insertion Loss:
 950-1750 MHz -6 dB minimum
 1750-2150 MHz -10 dB
 40-860 MHz -4 dB typical
 Isolation:
 Horizontal/Vertical -25 dB
 Output-to-Output -14 dB

TSMS2150X-16A

Insertion Loss:
 950-1750 MHz -8 dB typical
 1750-2150 MHz -13 dB typical
 2050-2150 MHz -16 dB typical
 Isolation:
 Horizontal/Vertical -20 dB
 Output-to-Output -12 dB

Output Level

Total # of Channels	Max. Input Level	Max. Output Level
7	17 dBmV	-4 dBmV
15	8 dBmV	-6 dBmV

Ordering Information

TSMS-2150X-8AUV 8 Outputs

TSMS-2150X-16AUV 16 Outputs

Specifications Subject to Change

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