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.
Specifications

TSMS2150X Series
Rack-Mounted Satellite Multiswitches

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):
TSMS-2150X-8AU 5.1 lbs.
TSMS-2150X-16AU 5.1 lbs.
Dimensions: 19”(L) x 2.87”(D) x 1 3/4”(H)

TSMS2150X-8AU
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

<table>
<thead>
<tr>
<th>Total # of Channels</th>
<th>Max. Input Level</th>
<th>Max. Output Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>17 dBmV</td>
<td>-4 dBmV</td>
</tr>
<tr>
<td>15</td>
<td>8 dBmV</td>
<td>-6 dBmV</td>
</tr>
</tbody>
</table>

Ordering Information

TSMS-2150X-8AU 8 Outputs
TSMS-2150X-16AU 16 Outputs

Specifications Subject to Change
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