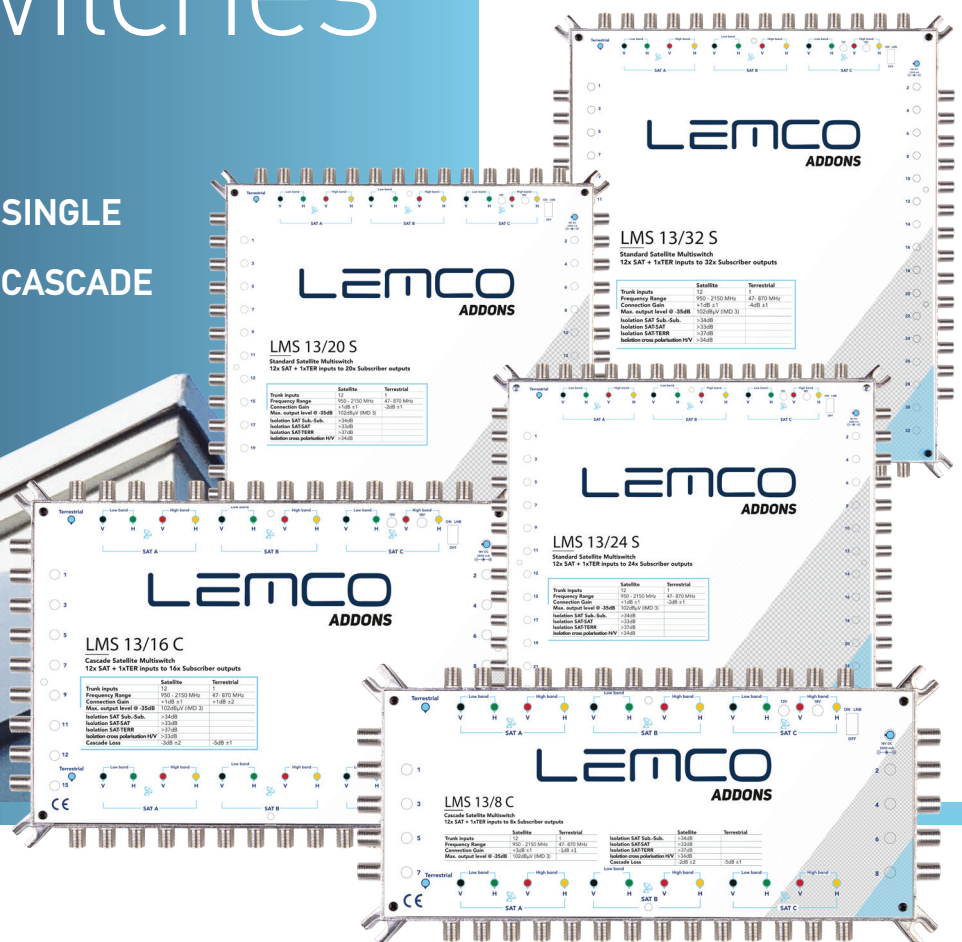


Multiswitches

13

INPUT SINGLE
INPUT CASCADE

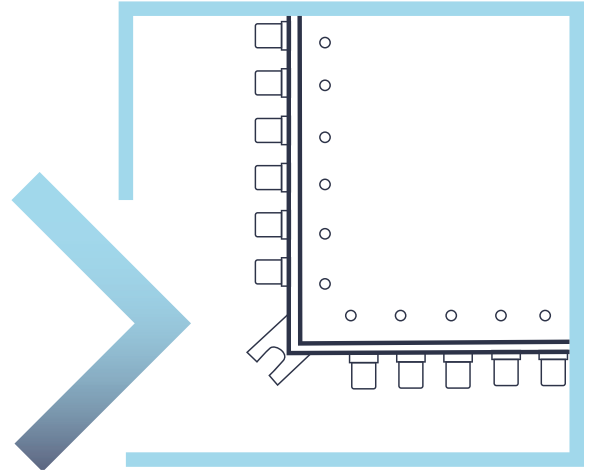


Leading the signal
all over the world



Multiswitches

LEMCO's new Multiswitches utilize new generation components that provide zero port failure, work at low signal levels with high isolation, and have low energy consumption by using an SMPS power supply unit. The outer case is made completely out of ZAMAK, providing high quality of construction, high endurance even in the most extreme environments and superior electromagnetic shielding.



13-INPUT SINGLE

LMS 13/8 S

Technical Specifications



Input

Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output

No of Subscribers	8
Gain TER	+3dB ±1
Gain SAT	+3dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation

Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade

No of outputs (SAT+TER)	-
Cascade Loss TER	-
Cascade Loss SAT	-

EAN-13

Code	5213009761116
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General

Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 135 x 45 mm
Weight	0.775 Kg

13-INPUT CASCADE

LMS 13/8 C

Technical Specifications



Input

Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output

No of Subscribers	8
Gain TER	-1dB ±1
Gain SAT	+3dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation

Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade

No of outputs (SAT+TER)	12+1
Cascade Loss TER	-5dB ±1
Cascade Loss SAT	-2dB ±2

EAN-13

Code	5213009761178
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General

Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 135 x 45 mm
Weight	0.775 Kg

13-INPUT SINGLE

LMS 13/12 S

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	12
Gain TER	+2dB ±1
Gain SAT	+2dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	-
Cascade Loss TER	-
Cascade Loss SAT	-

EAN-13	
Code	5213009761123

General	
Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 160 x 45 mm
Weight	0.935 Kg

13-INPUT CASCADE

LMS 13/12 C

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	12
Gain TER	-2dB ±1
Gain SAT	+2dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	12+1
Cascade Loss TER	-5dB ±1
Cascade Loss SAT	-2dB ±2

EAN-13	
Code	5213009761185

General	
Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 160 x 45 mm
Weight	0.935 Kg

13-INPUT SINGLE

LMS 13/16 S

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	16
Gain TER	+1dB ±1
Gain SAT	+2dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	-
Cascade Loss TER	-
Cascade Loss SAT	-

EAN-13	
Code	5213009761130

General	
Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 190 x 45 mm
Weight	1.107 Kg

13-INPUT CASCADE

LMS 13/16 C

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	16
Gain TER	-3dB ±1
Gain SAT	+2dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	12+1
Cascade Loss TER	-5dB ±1
Cascade Loss SAT	-3dB ±2

EAN-13	
Code	5213009761192

General	
Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 190 x 45 mm
Weight	1.107 Kg

13-INPUT SINGLE

LMS 13/20 S

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	20
Gain TER	-2dB ±1
Gain SAT	+1dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	-
Cascade Loss TER	-
Cascade Loss SAT	-

EAN-13	
Code	5213009761147

General	
Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 275 x 45 mm
Weight	1.462 Kg

13-INPUT CASCADE

LMS 13/20 C

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	20
Gain TER	-6dB ±1
Gain SAT	+1dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	12+1
Cascade Loss TER	-5dB ±1
Cascade Loss SAT	-4dB ±2

EAN-13	
Code	5213009761208

General	
Power supply	+18VDC
Power supply consumption	810mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 275 x 45 mm
Weight	1.462 Kg

13-INPUT SINGLE

LMS 13/24 S

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	24
Gain TER	-2dB ±1
Gain SAT	+1dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	-
Cascade Loss TER	-
Cascade Loss SAT	-

EAN-13	
Code	5213009761154

General	
Power supply	+18VDC
Power supply consumption	940mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 275 x 45 mm
Weight	1.462 Kg

13-INPUT CASCADE

LMS 13/24 C

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	24
Gain TER	-6dB ±1
Gain SAT	+1dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	12+1
Cascade Loss TER	-5dB ±1
Cascade Loss SAT	-4dB ±2

EAN-13	
Code	5213009761215

General	
Power supply	+18VDC
Power supply consumption	940mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 275 x 45 mm
Weight	1.462 Kg

13-INPUT SINGLE

LMS 13/32 S

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	32
Gain TER	-4dB ±1
Gain SAT	+1dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	-
Cascade Loss TER	-
Cascade Loss SAT	-

EAN-13	
Code	5213009761161

General	
Power supply	+18VDC
Power supply consumption	940mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 320 x 45 mm
Weight	1.590 Kg

13-INPUT CASCADE

LMS 13/32 C

Technical Specifications



Input	
Trunk inputs (SAT+TER)	12+1
Frequency Range SAT	950 - 2150 MHz
Frequency Range TER	47 - 870 MHz
Connector	F- female
Impedance	75Ω
Switch commands	13/18 V, 0/22 kHz, DiSEqC 2.0, Toneburst VDC

Output	
No of Subscribers	32
Gain TER	-8dB ±1
Gain SAT	+1dB ±1
Max. output level @ -35dB (IMD3)	102dBμV
Connector	F- female
Impedance	75Ω

Isolation	
Isolation SAT Subscriber-Subscriber	>34dB
Isolation SAT-SAT	>33dB
Isolation SAT-TERR	>37dB
Isolation cross polarisation H/V	>34dB

Cascade	
No of outputs (SAT+TER)	12+1
Cascade Loss TER	-5dB ±1
Cascade Loss SAT	-5dB ±2

EAN-13	
Code	5213009761222

General	
Power supply	+18VDC
Power supply consumption	940mA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	280 x 320 x 45 mm
Weight	1.590 Kg

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