



3x4 Satellite IF Multiswitch

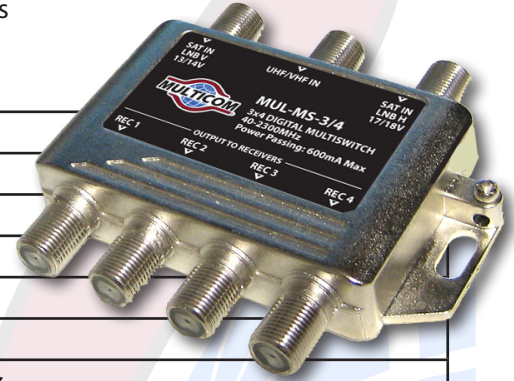
Product Specifications

Description

- Compatible with Direct to Home satellite
- Interface design allows satellite and antenna signals to be combined and routed to 4 outputs
- Wideband input from 40 up to 2150 MHz • Available in Epoxy back (MUL-MS-3/4-E) and Solder back (MUL-MS-3/4-S)
- High Performance, surface mount printed-circuit board design ensures high port-to-port isolation for spurious protection to minimize channel interaction and reduce picture distortion
- High output low return loss ports specifically designed to reduce micro-reflections and lower harmonic distortions
- High-performance PIN diode matrix reduces polarity transfer time and digital artifacts providing high quality video output

Technical Specifications

Frequency Range	40-1250 MHz		UHF/VHF In
	950-1250 MHz		Satellite In
	40-1250 MHz		Receivers 1 - 4
Insertion Loss	UHF/VHF Antenna Port	-10dB	40 ~ 806 MHz
		-13dB	807 ~ 860 MHz
	Satellite Ports	2dB	980 ~ 1450 MHz
		3dB	1451 ~ 1750 MHz
		0dB	1751 ~ 2150 MHz
Flatness for all Ports	±1.0dB		40 ~ 806 MHz
	±0.5dB		807 ~ 860 MHz
	±2.0dB		980 ~ 1750 MHz
	±2.5dB		1751 ~ 2150 MHz
Stop Band Attenuation	18dB		Antenna Port @ 950 MHz
	18dB		Satellite Port @ 860 MHz
Isolation	LNB 13/14 to LNB 17/18V	-35dB	950 ~ 2150 MHz
	Out-Out	-18dB	40 ~ 860 MHz
		-35dB	950 ~ 1750 MHz
		-30dB	1751 ~ 2150 MHz
Cross Polarization	-26dB		950 ~ 2150 MHz
Return Loss	UHF/VHF Antenna In	-8dB	40 ~ 860 MHz
	Satellite In	-12dB	980 ~ 1450 MHz
		-10dB	1451 ~ 2150 MHz
	Output	-8dB	40 ~ 860 MHz
		-10dB	980 ~ 1450 MHz
-8dB		1451 ~ 2150 MHz	
Max Current	350mA		LNB
Connector Type	'F' Type Female		All Ports
Impedance	75 OHM		All Ports
LHCP/RHCP Switching Port	14.0 ~ 14.7 VDC		
Voltage/Current Bias Fixed LNB Bias Voltage Required	RHCP 13/14V		11.8 ~ 13.8 VDC
	LHCP 17/18V Port DC Drop		0.3 ~ 0.5 VDC
	Low Voltage Operation 13/14V Port		10 VDC Min



Specifications subject to change without notice

MUL-MS-3/4-E - Epoxy back, MUL-MS-3/4-S - Solder back

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