

Designed to Work Specifically in DIRECTV™, MoCA Enabled, Commercial MDU Environments

The **MSAT Splitter Series** was specifically designed to work in conjunction with DIRECTV's™ single wire multiswitch technology (SWM) within Commercial MDU applications. Holland Electronics worked closely with DIRECTV™ and the MoCA Alliance to develop a splitter with on-board MoCA capabilities. Used after a standard SWM module, or after DIRECTV's™ new SWM-integrated dish, the **MSAT Splitter Series** allows you to split the outputs from these devices to provide signal to up to 8 satellite receivers. With sealed F-ports, performance-tested plating and rugged cases, the **MSAT Splitter Series** can be used indoors as well as in harsh outdoor environments.

Features:

- DIRECTV™ Approved
- Low Port-to-Port Isolation
- Sealed F Ports
- Low Insertion Loss
- 29v Power Passing Port
- Flat F Ports

MSAT Series

2-Way, 4-Way & 8-Way Splitters



MSAT-2



MSAT-4



MSAT-8



Holland Electronics is a member of



	MSAT-2		MSAT-4		MSAT-8		TEST CONDITIONS
	Typ.	QC	Typ.	QC	Typ.	QC	
Frequency Range (MHz)		2 - 2150		2 - 2150		2 - 2150	
Insertion Loss (Max dB)							
2 - 4 MHz		4.0		11.0		16.0	
4 - 475 MHz		4.0		11.0		16.3	
475 - 625 MHz		4.0		9.0		12.0	
625 - 950 MHz		4.0		9.0		12.0	
950 - 1820 MHz		4.3		9.0		12.0	
1820 - 2150 MHz		4.5		9.5		13.0	
I/O Insertion Flatness							
2 - 4 MHz		± 0.5 dB		± 0.5 dB		± 0.5 dB	
475 - 625 MHz		± 0.5 dB		± 0.5 dB		± 0.5 dB	@ MoCA over any 50 MHz BW
950 - 2150 MHz		± 2.0 dB		± 2.0 dB		± 2.0 dB	@ Satellite
		± 0.5 dB		± 0.5 dB		± 0.5 dB	@ Satellite over any 36 MHz BW
Return Loss: Inputs							
2 - 4 MHz	10 dB	8 dB Min	-9 dB	8 dB Min	9 dB	8 dB Min	
475 - 625 MHz	10 dB	8 dB Min	-9 dB	8 dB Min	10 dB	8 dB Min	@ MoCA
950 - 2150 MHz	15 dB	10 dB Min	-10 dB	8 dB Min	10 dB	8 dB Min	@ Satellite
Return Loss: Outputs							
2 - 4 MHz	10 dB	8 dB	-9 dB	8 dB	9 dB	8 dB	
475 - 625 MHz	10 dB	8 dB	-12 dB	8 dB	10 dB	8 dB	@ MoCA
950 - 2150 MHz	12 dB	10 dB	-12 dB	10 dB	12 dB	10 dB	@ Satellite
Isolation Loss Between Outputs							
2 - 4 MHz (Max)		4 dB		11 dB		16 dB	
4 - 475 MHz (Max)		12 dB		18 dB		19 dB	
475 - 625 MHz		10 ± 2 dB		11 ± 3 dB		10 ± 2 dB	Same *-way group
475 - 625 MHz				11 ± 3 dB		10 ± 2 dB	Other *-way group
625 - 950 MHz (Min / Max)		8 dB / 40dB		10 dB / 45dB		18 dB / 45dB	
950 - 1820 MHz		20 dB Min		20 dB Min		20 dB Min	
1820 - 2150 MHz		15 dB Min		15 dB Min		15 dB Min	

Isolation Flatness Between Outputs		Housing	Diecast
2 - 4 MHz	± 0.5 dB	Ground studs	2
475 - 625 MHz	± 2 dB	Operating Temp. Range	-34°C - 60°C
DC Power Pass	Round Pins w/ white insulators		
Output Port 1 to Input	1500 mA Max		
Other Output Port	Blocked		
Power Ports Color	Red		