

## CONTROLS:

### INPUT (Female XLR):

Accepts balanced mic or line level signal.

### DIRECT OUTPUT (Male XLR):

Provides straight connection from input jack. Pass phantom power through this connection to power a condenser microphone or active DI box.

### ISOLATED OUT 1 & 2 (2X Male XLR):

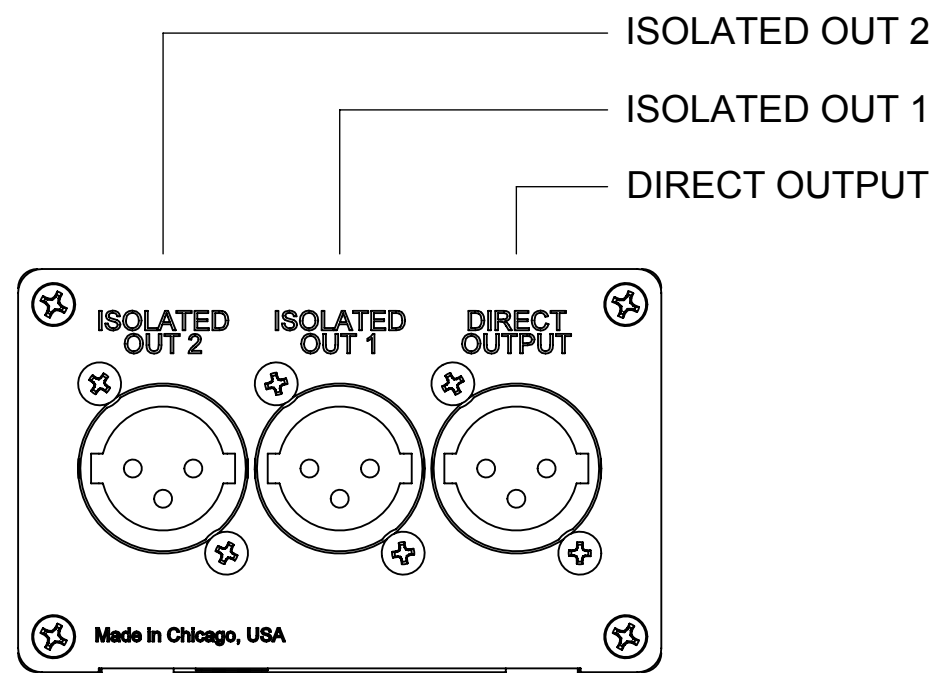
Provides 2 transformer isolated, balanced outputs.

### -40dB PAD (Pushbutton Switch):

Reduces input signal by 40dB on isolated out 1 & 2. Allows unit to split line level signals.

### LIFT/GND (2X Toggle Switch):

Ground lift switches. Disconnects ground (pin-1) connection between input and isolated output XLRs. Use to break ground loops to further reduce hum & buzz.



## NOTES:

- All XLR connectors are wired pin-1 ground, pin-2 hot, and pin-3 cold.
- Materials:
  - Housing and end panels - Black anodized aluminum
  - Recessed component panel - Green anodized aluminum
- This product is RoHS compliant.

## CUSTOMER DRAWING

						<div>UNLESS OTHERWISE SPECIFIED</div> <div>1. ALL DIMENSIONS IN INCHES [mm]</div> <div>- TWO PLACE DECIMALS ±0.02 [0.5]</div> <div>- THREE PLACE DECIMALS ±0.005 [0.13]</div>	THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.						
								SIZE	WIDTH	MULT	LBS/M	TEMPER	
								FINISH				MATERIAL	
								SPEC No.				SPEC No.	
								FIRST USED ON		SCALE		<div>Switchcraft®</div>	
								DATE DRAWN	BY	CHKD	APVD		
B	27808	11-16-16	PC	TJK				8-16-11	BHM	PC	TJK		
A	27705	05-19-16	PC	TJK					02-21-17	02-21-17	SHEET 1 OF 3		
REV	ECO NUMBER	DATE	BY	APVD			NAME					PART No.	REV
REVISIONS						DO NOT SCALE DRAWING	PASSIVE 3-WAY MICROPHONE SPLITTER, RoHS					RMAS1	B

SolidWorks CAD File



# RMAS1 Mic Splitter

## Audio Specifications

Switchcraft®

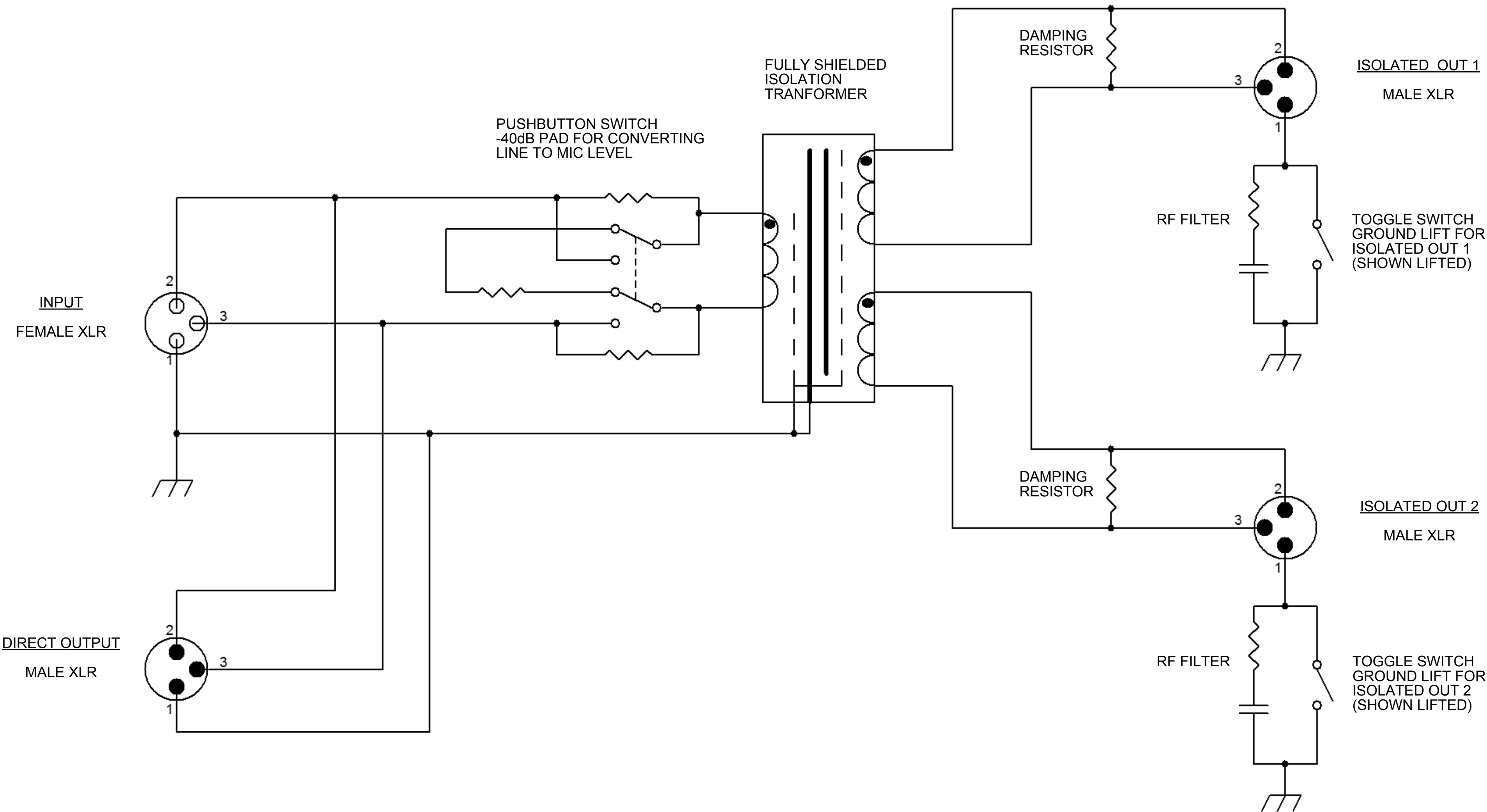
Parameter	Performance	Conditions
Frequency Response	10Hz - 20kHz	+/-0.5dB, ref 1kHz
Total Harmonic Distortion + Noise	< 0.003% < 0.05%	at 1kHz, -20dBu Input, 22kHz Bandwidth at 20Hz, -20dBu Input, 22kHz Bandwidth
Maximum Input Level	+4dBu	at 20Hz with 1% THD+Noise
Input Impedance	400Ω Typical	at 1kHz
Output Impedance	200Ω Typical	at 1kHz
Common Mode Rejection Ratio (CMRR)	> 122dB > 100dB	at 60Hz at 1kHz
Deviation from Linear Phase	< 2° < 2° < 25°	at 20Hz at 1kHz at 20kHz
Voltage Gain		
Direct Output	-3dB	+/-1dB
Direct Output (Pad On)	-1dB	+/-1dB
Isolated Outputs	-4dB	+/-1dB
Isolated Outputs (Pad On)	-44dB	+/-1dB
Pad Attenuation	40dB	+/-1dB

Notes: All measurements were taken with a 150Ω balanced source and 1.5kΩ loads on all three outputs.  
Specifications subject to change without notice.

CUSTOMER DRAWING

SCALE 1:1	Switchcraft®		
DATE DRAWN 8-16-11			
DRAWN BY BHM	PART No. RMAS1	SHEET 2 OF 3	REV B

SCHEMATIC



CUSTOMER DRAWING

SCALE 1:1	Switchcraft®		
DATE DRAWN 8-16-11			
DRAWN BY BHM	PART No. RMAS1	SHEET 3 OF 3	
		REV B	

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Switchcraft:

[RMAS1](#) [RMAS1PRO](#)