Mechanics & Electronics Inc.

EME Preamplifiers

ME-2 2m EME Preamplifier



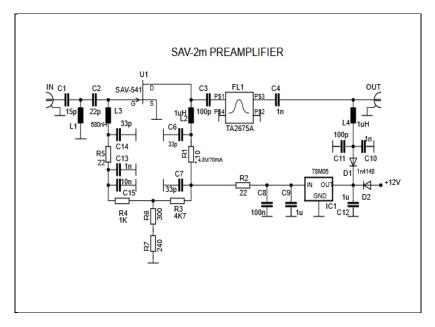
Introduction

The ME-2 2m EME Preamplifier high dynamics, selective and low-noise preamplifier for 144MHz.

We offer it for EME operation. The built in SAW filter gives clean signal and selectivity.

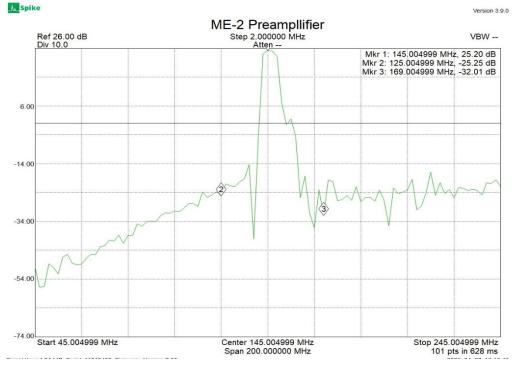
The preamplifier built in a stable ALU box furnised with SMA female connectors. The small dimension is optimal to use it near of your antennas in separate box.

Technical data	ME-2		
Frequency range:	144-148MHz		
Noise figure @ 22°C	Typ < 0.23 dB		
Noise figure @ -18C	Typ < 0.13 dB		
Gain S21, typ.:	25 dB		
Input return loss	>+7.78 dB		
Output return loss	>+22.3 dB		
OIP3:	>+28dBm		
IIP3:	Typ. + 3dBm		
Device:	SAV-541		
Max. Input level:	+19dBm		
Operating voltage:	+10+15V		
Power consumption:	68mA		
Dimensions:	85x50x20mm (w.conn)		
Weight:	75g		
RF connectors:	2x SMA female		

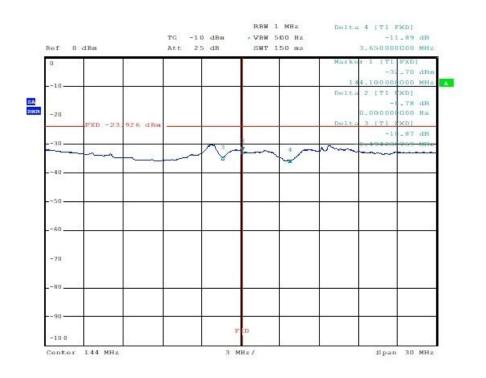




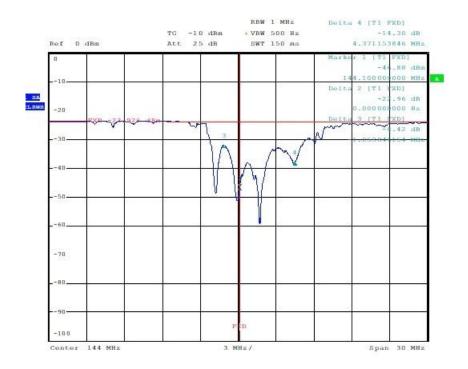
Direct			E & GAIN		CALIBRATED
RBW:	1 MHz	RF Atten.	0 dB	2nd Stage Corr.	On
Average:	1	Auto Ref Level	On	Image Rejection	
		Cu	rent Value		
RF:	144 MHz	ENR	6.4 dB	NF.	0.22 dB
LO:		Loss In	0 dB	Noise Temp.	14.8 K
IF:		Loss Out	0 dB	Gain	25.34 dB
		Frequenc	y List Results	;	
	RF	NF	No	ise Temp	Gain
	144.00 MHz	0.22	dB	14.80 K	25.34 dB
	144.50 MHz	0.24	dB	16.30 K	26.19 dB
	145.00 MHz	0.16	dB	11.20 K	26.24 dB
	145.50 MHz	0.21	dB	14.06 K	25.86 dB
	146.00 MHz	0.19	dB	12.80 K	26.02 dB
	146.50 MHz	0.23		16.09 K	25.83 dB
	147.00 MHz	0.21		14.16 K	25.81 dE
	147.50 MHz	0.19		12.72 K	25.09 dB
	148.00 MHz	0.23	dB	16.01 K	24.98 dB
		ME-2 NF Mea	uromonts	໑ ຉຉ ⁰ຬ	



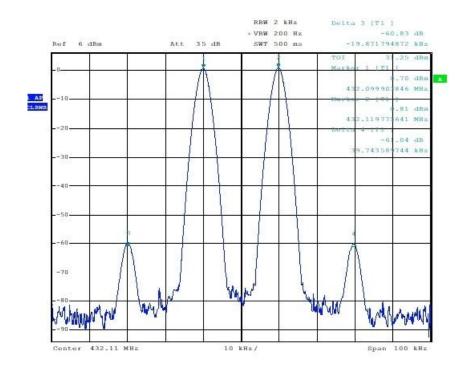
ME-2 200MHz BW.



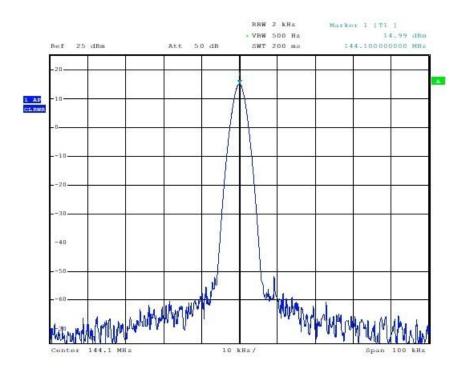
ME-2 Input Return Loss.







OIP3 +28dBm



1 dB Compression point.