PSMIL – PSM INPUT LIMITER

Features

- Signal conditioner with hard limiting action
- 3 input channels
- For use with CLS, CPSHRx-S, CS02
- For use with Piezo Scanning Module (PSM)

Description / Applications

Input Limiter for the Piezo Scanning Module (PSM). Input voltages will be limited to a projected PSM output voltage of -30V to +120V. Each input channel is equipped with a hard limiter which will introduce a maximum limiter overshoot of | 0.4V | on the PSM output.

Specifications

General info	
For use with	Piezo Scanning Module (PSM)
Power supply via	100-240 VAC wall adapter *(supplied)*
Power dissipation	1.5 W_{typ}
Dimensions	L=108.5mm, H=30mm, D=80.5mm
Weight	310 g
Amplifier	
Limiting style	Discontinuous
Input voltage	-10 V … +10 V
Output voltage	-2 V … +8 V *(when connected to a PSM this translates to a PSM output voltage range of -30 V to + 120V)*
Output noise	300 μV_{rms} (max)
Large signal bandwidth (-3 db)	0 to 65 kHz *(within limit range of 10V_{pp})*
Optimized for large signal frequencies with limiting action	0 to 5 kHz
Non-linearity	0.2 % *(within limit range)*
Input impedance	100 kΩ
Stabilization time after power on	5 s_{max}

Ordering Information

Available models	
PSMIL	PSM Input Limiter

Available Options

None

Accessories

None

Mechanical and electrical information

Download 3D step files and manuals from:
https://www.jpe-innovations.com/cryo-nano-products/

Contact

For quotations, specials, or engineering services, please contact us at:
https://www.jpe-innovations.com/contact/

Additional Information

3 pin connector

Channel 1 in : BNC female

Channel 2 in : BNC female

Channel 3 in : BNC female

PSM INPUT LIMITER

Power Supply
(Wall adapter)

Channel 1 out : BNC male

Channel 2 out : BNC male

Channel 3 out : BNC male

Front

Top

6 pin connector