

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 (<i>supplied</i>)
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 (<i>when connected to a PSM this translates to a PSM output voltage range of -30 V to +120V</i>)
Output noise	300 µV _{rms} (max)
Large signal bandwidth (-3 db)	0 to 65 kHz (<i>within limit range of 10V_{pp}</i>)
Optimized for large signal frequencies with limiting action	0 to 5 kHz
Non-linearity	0.2 % (<i>within limit range</i>)
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

