



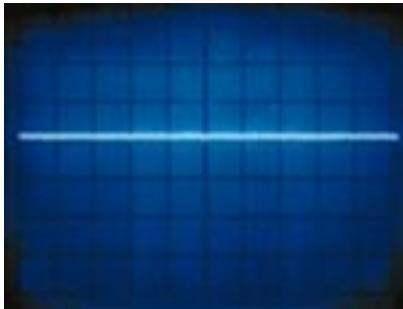
Actual Oscilloscope Plots of N-G Let-Through Performance

POWERVAR'S POWER CONDITIONING ARCHITECTURE INTEGRATES A FULL OUTPUT ISOLATING TRANSFORMER WITH NEUTRAL AND GROUND CONDUCTORS BONDED ON THE OUTPUT. HENCE, COMMON MODE NOISE BETWEEN NEUTRAL AND GROUND CONDUCTORS IS IMMEASURABLE. WE SPECIFY IT IS AS LESS THAN ONE-HALF VOLT.

SURGE SUPPRESSOR-BASED PRODUCTS WILL LET THROUGH SEVERAL HUNDRED VOLTS WHEN SUBJECTED TO THE SAME TEST. SEVERAL HUNDRED VOLTS LET-THROUGH BETWEEN NEUTRAL AND GROUND CONDUCTORS IS INSUFFICIENT PROTECTION FOR CRITICAL ELECTRONIC SYSTEMS.

ANS/IEEE STANDARD C62.41 6,000 VOLT CATEGORY A TEST IMPULSE APPLIED 270 DEGREES AT INPUT. OSCILLOSCOPE PHOTOS BELOW SHOW NEUTRAL TO GROUND LET-THROUGH AT OUTPUT OF POWER CONDITIONER UNDER TEST.

VERTICAL SCALE IS 100 VOLTS/DIVISION; HORIZONTAL SCALE IS 10 μ SEC/DIVISION



POWERVAR POWER CONDITIONER OUTPUT



TYPICAL SURGE SUPPRESSOR OUTPUT

POWERVAR HAS AN ENVIABLE REPUTATION IN THE INDUSTRY AS AN INNOVATOR, A TECHNOLOGY LEADER AND AN EDUCATOR. TODAY, POWERVAR POWER CONDITIONING AND UNINTERRUPTIBLE POWER SUPPLY SYSTEMS ARE WIDELY USED IN SOPHISTICATED SEMICONDUCTOR FABRICATION PLANTS, CUSTOMER PREMISE TELECOMMUNICATIONS SYSTEMS, MEDICAL DIAGNOSTIC AND PATIENT TREATMENT SYSTEMS, AS WELL AS POINT-OF-SALE AND WIDE AREA RETAIL INFORMATION NETWORKS.

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