



Recommended Noise Filter
NAC-06-472



High voltage pulse noise type : NAP series
Low leakage current type : NAM series
*The Noise Filter is recommended to connect with several devices.

- ① Series name
- ② Output wattage
- ③ Universal input
- ④ V1 Output voltage
- ⑤ V2 Output voltage
- ⑥ Optional *1
- G : Low leakage current
- R : with Remote ON/OFF
- S : with Chassis
- SN : with Chassis & cover
- T : Vertical terminal block
- Y : with Potentiometer
- Z : with ZT

MODEL	LEB100F-0512	LEB100F-0324	LEB100F-0524	LEB100F-0530	LEB100F-0536
DC OUTPUT	V1 +5V 5A V2 +12V 5(Peak 10)A	+3.3V 5A +24V 4(Peak 7)A	+5V 5A +24V 4(Peak 7)A	+5V 5A +30V 3.2(Peak 5.6)A	+5V 5A +36V 2.7(Peak 4.7)A

SPECIFICATIONS

MODEL	LEB100F-0512	LEB100F-0324	LEB100F-0524	LEB100F-0530	LEB100F-0536
INPUT	VOLTAGE[V] AC85 - 264 1 φ or DC 120 - 370 CURRENT[A] ACIN 100V 1.2typ (Io=100%) 1.4typ (Io=100%) ACIN 200V 0.6typ (Io=100%) 0.7typ (Io=100%) FREQUENCY[Hz] 50/60 (47 - 63) or DC EFFICIENCY[%] ACIN 100V 74typ (Io=100%) 78typ (Io=100%) 78typ (Io=100%) 78typ (Io=100%) 78typ (Io=100%) ACIN 200V 76typ (Io=100%) 80typ (Io=100%) 80typ (Io=100%) 80typ (Io=100%) 80typ (Io=100%) POWER FACTOR ACIN 100V 0.98typ 0.99typ ACIN 200V 0.93typ INRUSH CURRENT[A] ACIN 100V 15typ (Io=100%) (At cold start) (Ta=25°C) ACIN 200V 30typ (Io=100%) (At cold start) (Ta=25°C) LEAKAGE CURRENT[mA] 0.75max (60Hz, According to IEC60950 and DEN-AN)				
OUTPUT	VOLTAGE[V] +5 +12 +3.3 +24 +5 +24 +5 +30 +5 +36 CURRENT[A] *2 0 - 5 0 - 5 (Peak 10) 0 - 5 0 - 4 (Peak 7) 0 - 5 0 - 4 (Peak 7) 0 - 5 0 - 3.2 (Peak 5.6) 0 - 5 0 - 2.7 (Peak 4.7) TOTAL OUTPUT WATTAGE[W] *3 85 (Peak 145) 100 (Peak 172) 100 (Peak 172) 100 (Peak 172) 100 (Peak 172) LINE REGULATION[mV] 20max 48max 20max 96max 20max 96max 20max 120max 20max 144max LOAD REGULATION[mV] 40max 100max 40max 150max 40max 150max 40max 180max 40max 180max RIPPLE[mVp-p] 0 to +50°C *4 80max 120max 80max 120max 80max 120max 80max 200max 80max 200max -10 - 0°C *4 140max 160max 140max 160max 140max 160max 140max 240max 140max 240max RIPPLE NOISE[mVp-p] 0 to +50°C *4 120max 150max 120max 150max 120max 150max 120max 300max 120max 300max -10 - 0°C *4 160max 180max 160max 180max 160max 180max 160max 360max 160max 360max TEMPERATURE REGULATION[mV] 0 to +50°C 50max 120max 50max 240max 50max 240max 50max 300max 50max 300max -10 to +50°C 60max 150max 60max 290max 60max 290max 60max 350max 60max 350max DRIFT[mV] *5 20max 48max 20max 96max 20max 96max 20max 120max 20max 144max START-UP TIME[ms] *6 250max 500max 250max 500max 250max 500max 250max 500max 250max 500max HOLD-UP TIME[ms] *6 40typ 20typ 40typ 20typ 40typ 20typ 40typ 20typ 40typ 20typ OUTPUT VOLTAGE ADJUSTMENT RANGE[V] 4.5 - 5.5 Fixed 2.85 - 3.60 Fixed 4.5 - 5.5 Fixed 4.5 - 5.5 Fixed 4.5 - 5.5 Fixed OUTPUT VOLTAGE SETTING[V] — 11.5 - 12.5 — 23.0 - 25.0 — 23.0 - 25.0 — 28.7 - 31.5 — 34.5 - 37.5				
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION V1 Works over 105% of rating current and recovers automatically V2 Works over 101% of peak current and recovers automatically OVERVOLTAGE PROTECTION V1 Works over 115% of rating, by zener diode clamping V2 Works at 115 - 140% of rating REMOTE ON/OFF Option (Refer to Instruction Manual)				
ISOLATION	INPUT-OUTPUT - RC *7 AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) INPUT-FG AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) OUTPUT - RC-FG *7 AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature) OUTPUT-OUTPUT(V1 - RC-V2) *7 AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)				
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE -10 to +70°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max STORAGE TEMP., HUMID. AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max VIBRATION 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis IMPACT 196.1m/s ² (20G), 11ms, once each X, Y and Z axis				
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS UL60950-1, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1 (At only AC input) CONDUCTED NOISE Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B HARMONIC ATTENUATOR Complies with IEC61000-3-2				
OTHERS	CASE SIZE/WEIGHT 75 x 35 x 222mm (W x H x D) /420g max (without chassis and cover) COOLING METHOD Convection				

*1 Specification is changed at option, refer to Instruction Manual 5.
 *2 Peak loading for 10sec. And Duty 35% max, refer to Instruction Manual 4. In detail.
 *3 Refer to Instruction Manual 2.2 in detail.
 *4 This is the value that measured on measuring board with capacitor of 22 μF within 150mm from output terminal. Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM101).
 *5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C,

with the input voltage held constant at the rated input/output.
 *6 ACIN 100V, Io=100%
 *7 Applicable when remote control (optional) is added.
 Series/Parallel operation is not possible.
 Derating is required when operated with chassis and cover.
 * A sound may occur from power supply at peak loading.