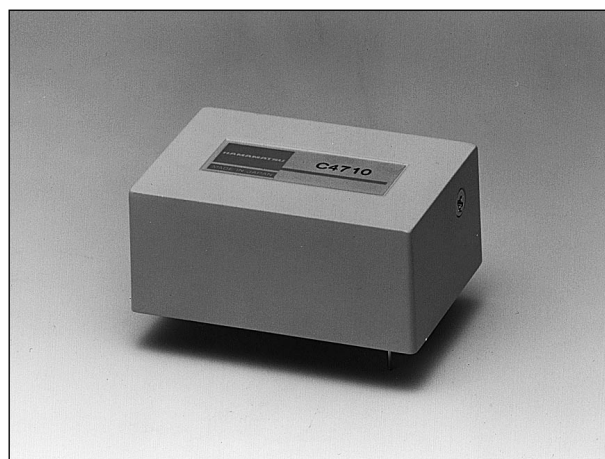


The C4710 series are PC-board mountable high voltage supplies for photomultiplier tubes. The series has six standard versions.

FEATURES

- Compact and Lightweight
- High Stability
- High Output Power
- Complete Fail-safe Functions
- Six-plane Metal Shielded



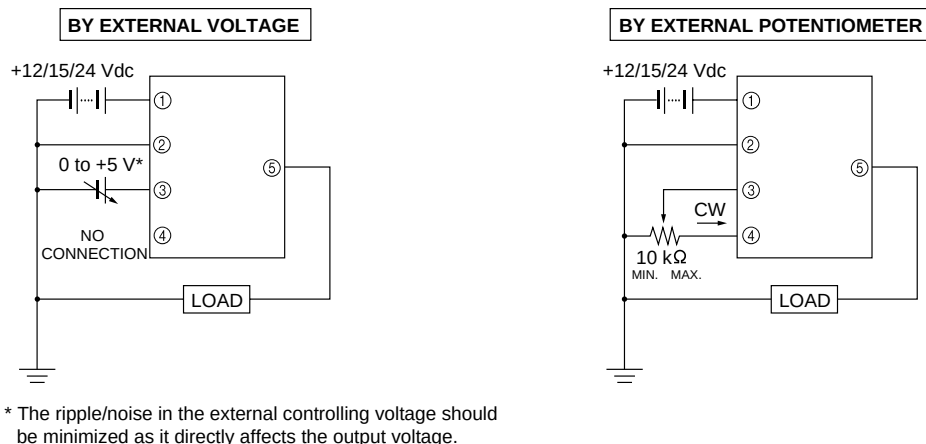
TACCF0113

SPECIFICATIONS

Parameter		C4710 Series						Unit
		C4710	C4710-01	C4710-02	C4710-50	C4710-51	C4710-52	
Input Voltage		+15 ± 1	+12 ± 1	+24 ± 1	+15 ± 1	+12 ± 1	+24 ± 1	Vdc
Input Current at Maximum	with no load	95	120	65	95	120	65	mA (Typ.)
Output Voltage	with full load	260	340	145	260	340	145	
Specification Guaranteed Output Voltage Range		-240 to -1500			+240 to +1500			Vdc
Output Current		1						mA (Max.)
Input Regulation against ± 1V Input Change		±0.01	±0.015	±0.015	±0.02	±0.02	±0.015	% (Typ.)
Load Regulation against 0 to 100% Load Change		±0.01	±0.015	±0.01	±0.01	±0.01	±0.01	% (Typ.)
Ripple / Noise (p-p)		0.005						% (Typ.)
Output Voltage Controlling Modes		By external controlling voltage (+0.8 to +5 V) or external potentiometer (10 kΩ)						—
Controlling Voltage Input Impedance		40			56			kΩ (Typ.)
Output Voltage Setting		±(Controlling voltage× 300) ± 0.5%						V
Output Voltage Rise Time (0 →100%)		100						ms (Typ.)
Temperature Coefficient		±0.01						%/°C(Typ.)
Operating Temperature Range		+5 to +40						°C
Storage Temperature Range		-10 to +60						°C
Dimensions (W × H × D)		65 × 27.5 × 45						mm
Weight		105						g
Protective Functions		Units protected against reversed power input, reversed/excessive controlling voltage input, continuous overloading/short circuit in output						—

HIGH VOLTAGE POWER SUPPLY UNIT C4710 SERIES

Figure 1: Output Voltage Controlling



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Figure 2: Output Voltage Controlling Characteristics

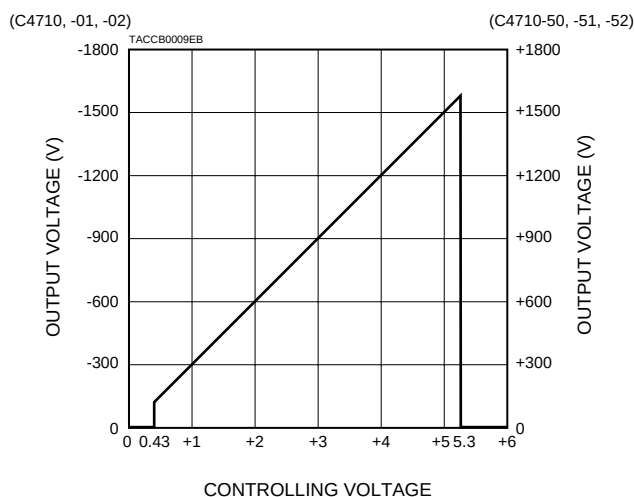
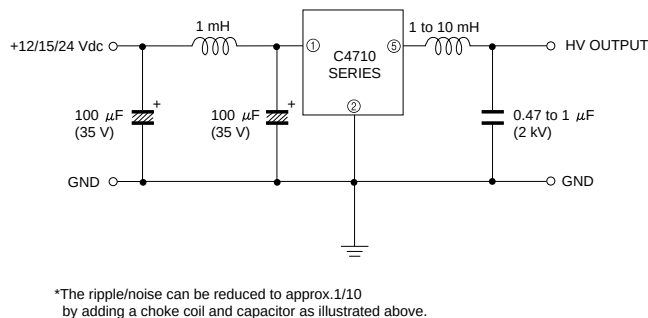


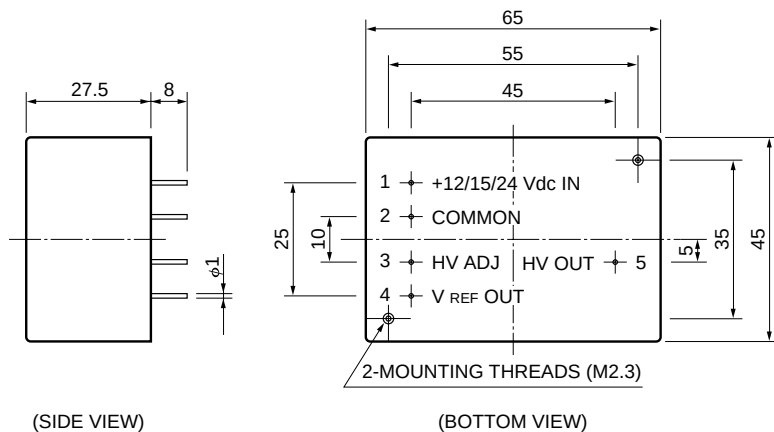
Figure 3: Example of Ripple / Noise Reduction Circuit



*The ripple/noise can be reduced to approx.1/10 by adding a choke coil and capacitor as illustrated above.

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Figure 4: Dimensional outline (Unit: mm)



TACCA0124EA

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TACC1003E04
MAR. 1995 E
Printed in Japan