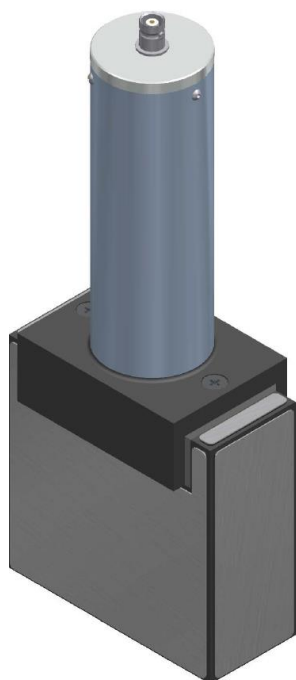


R100*40B100/1.5M-E1-P-X

Description: Plastic scintillation detector consisting of a plastic scintillator integrally coupled to a PMT with built-in voltage divider

Scintillation material	:	EJ-200
Drawing	:	VS-399-23
Photomultiplier tube	:	Ø38 mm, type Hamamatsu R11102 or eq.
Housing	:	Special reflector, light tight vinyl and 0.5mm thick aluminum protection plates.
Voltage divider	:	100 MΩ (single connector)
Connectors	:	MHV mixed for high voltage/signal
Energy range	:	30 keV – 2 MeV.
Maximum temperature	:	+ 70 °C.
Operating voltage	:	approx.. +600 to +800 V.



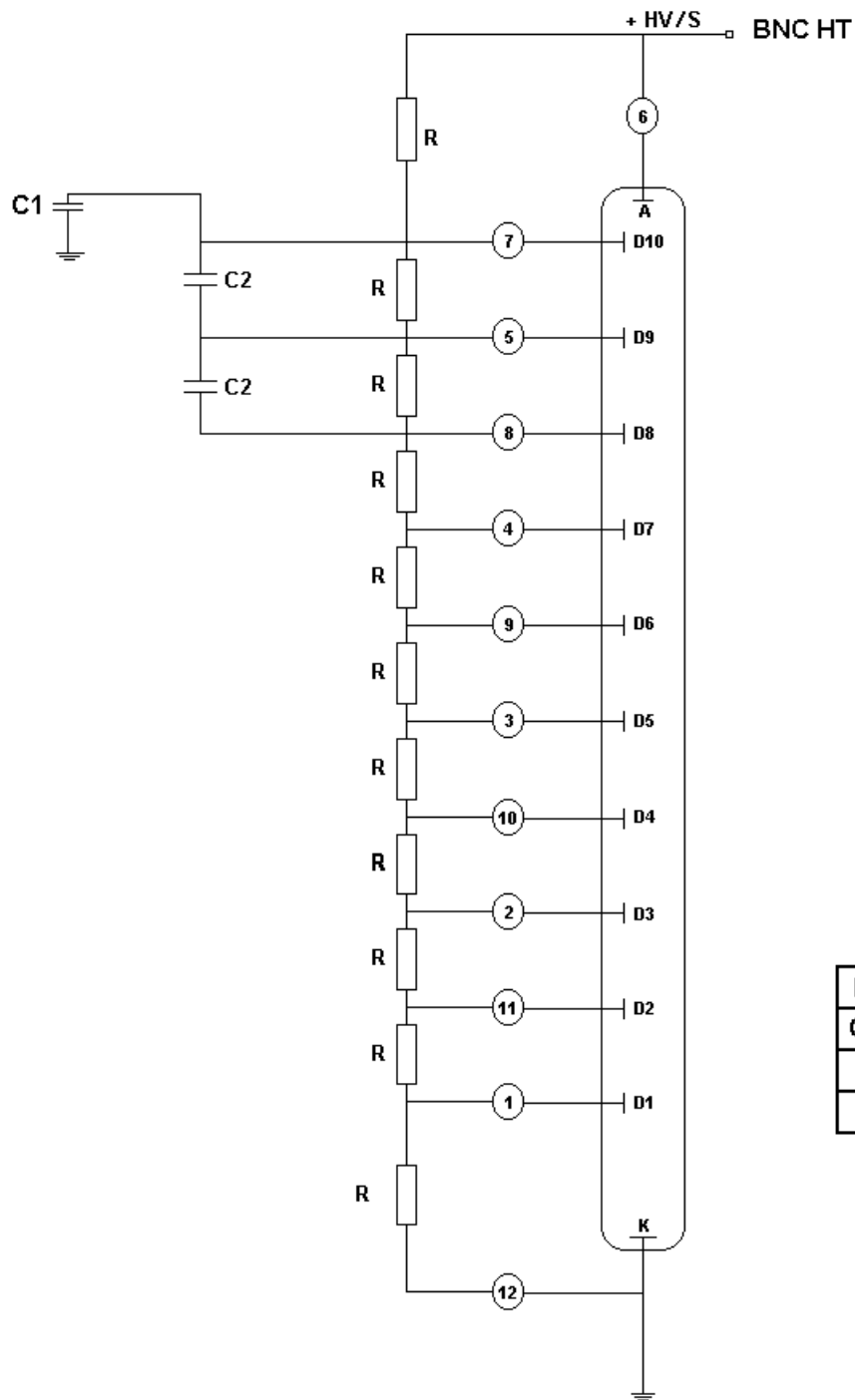
Last revision:18-11-2020
Revision number:
Doc. Name: R100_40B100_1.5M-E1-P-X

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Schematic Voltage divider



$R = 8.2 \text{ MOhm}$
$C1 = 10 \text{ nF}, 2 \text{ kV}$
$C2 = 10 \text{ nF}$

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