PHOTOMULTIPLIER TUBES ACCESSORIES

VD 124K

VOLTAGE DIVIDER ASSEMBLY FOR 51mm VERY FAST TUBES

FOR TUBE TYPES :

XP2020, XP2020/Q, XP2254B
XP4222B, XP4227B : 51mm very fast tubes, 12 stages

OPERATING CONDITIONS

Output signal	DC or pulse output signal
Supply voltage	anode grounded (-HV)
Optimisation of	gain & linearity & time characteristics
	(C type divider, see tube datasheet)

GENERAL CHARACTERISTICS

Total divider resistance	2.2 MΩ
Output load resistor	1 MΩ
Operating voltage	typ. 2500 V
	max. 3000 V
Dissipated power at max. voltage	4.0 W
Linearity within 4 % at typ. voltage up to	58 µA

MECHANICAL DRAWING see page 2

ELECTRICAL DRAWING see page 3

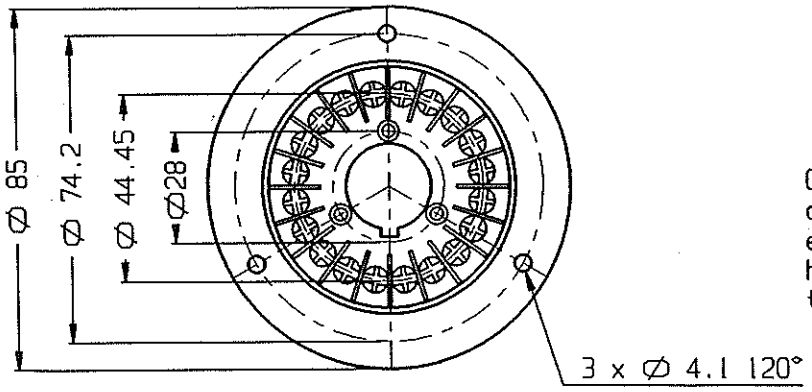
COMPONENTS LOCATION ON PCB see page 4

Philips
Photonics

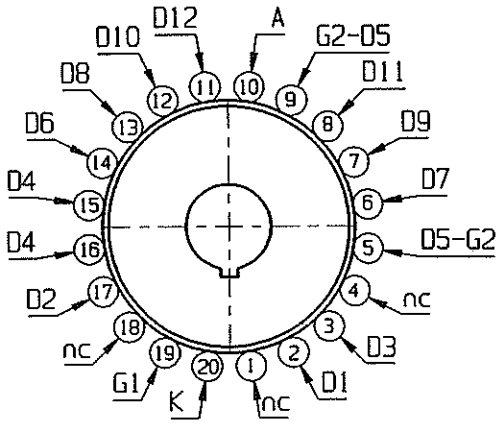
PHILIPS

VD124K

All dimensions in mm

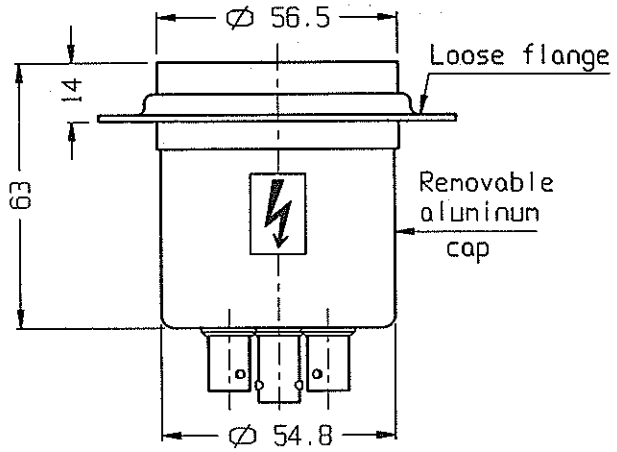


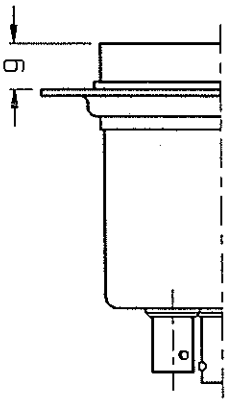
Caution! This base assembly connects the glass envelope of the tube to high voltage. Care should be taken to avoid electrical shock.

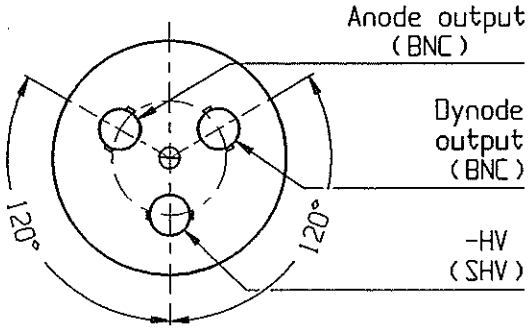


K: cathode
G1: focusing electrode
G2: accelerating electrode
D1...D12: dynodes 1 to 12
A: anode

nc: not connected



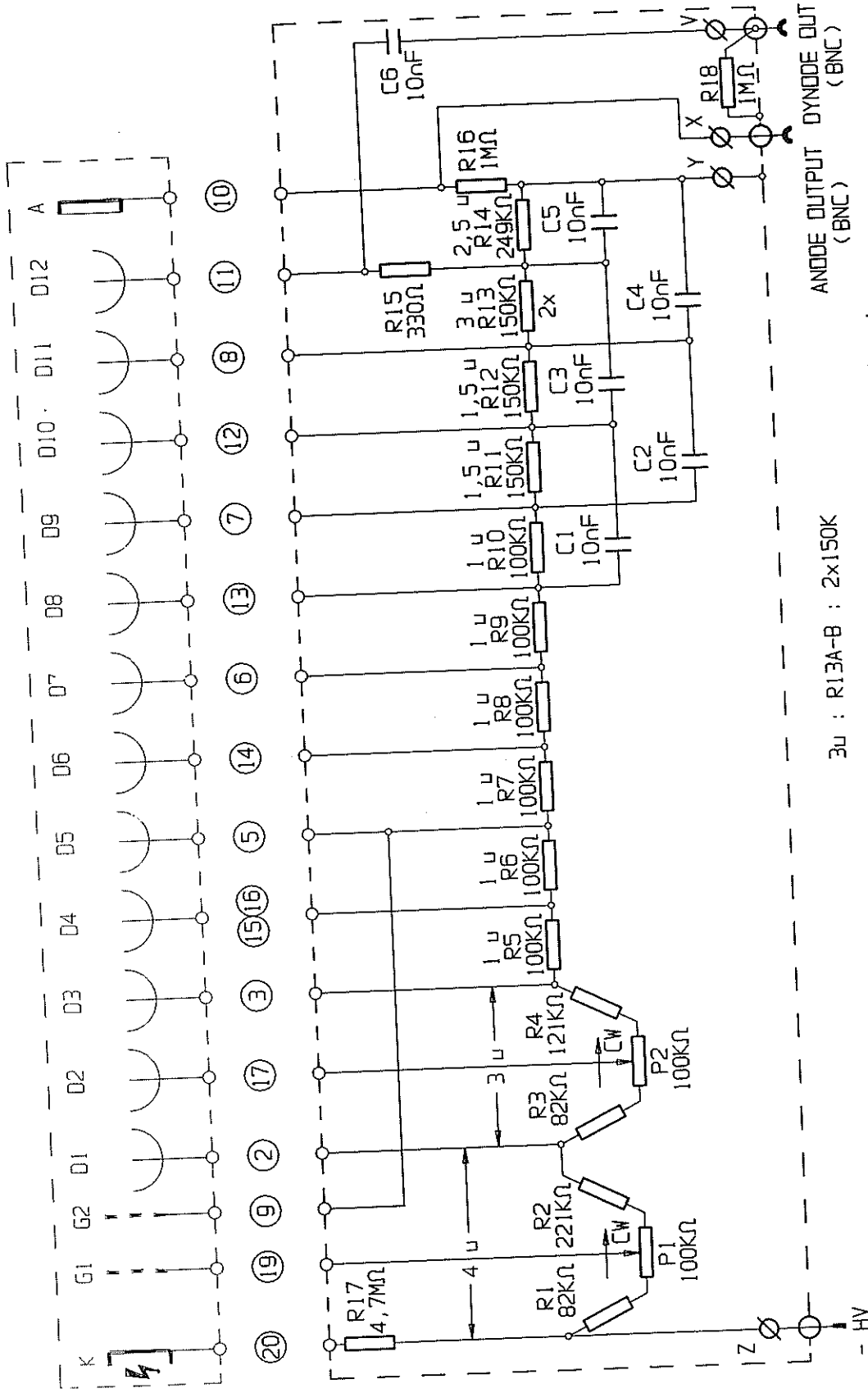




The flange can be mounted from the rear side as well.

Mass: with flange : 180g
without flange : 139g

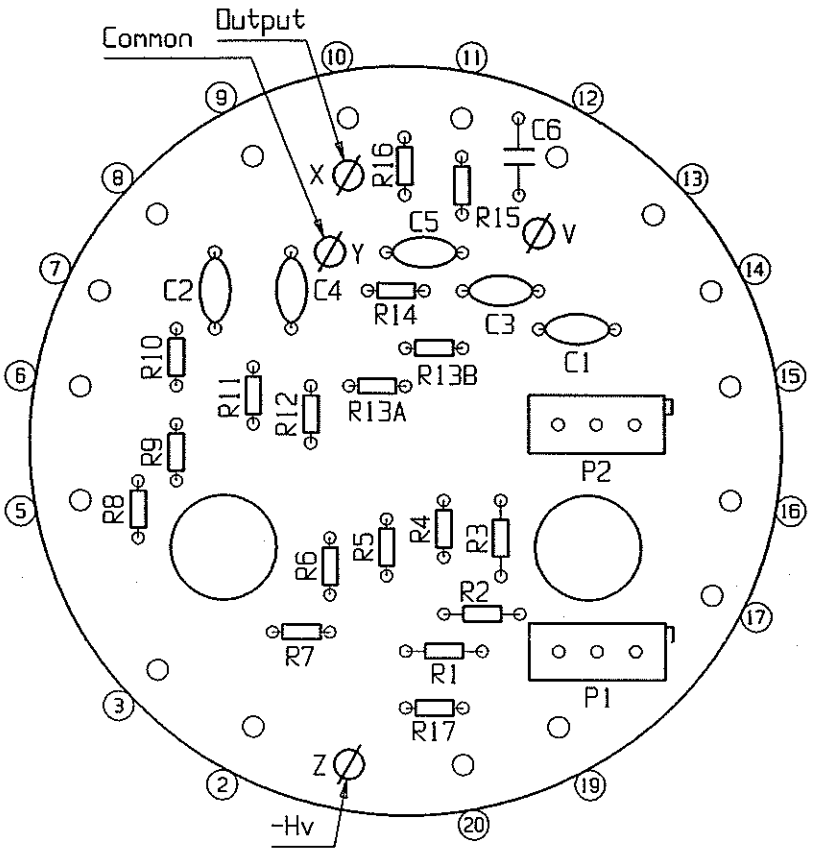
VD124K



94-10-14 Rev : 1

Drawing : 99900482

COMPONENTS LOCATION ON PRINTED CIRCUIT BOARD



Ø : U-pins

(1) ... (20) : pin numbers

○ : socket pins to tube electrodes