

Electron Multipliers

at 25°C

Type No.	Dynode			Characteristics				Anode to All Other Electrode Capacitance (pF)	Maximum Ratings				
	Number of Stage	Structure	Material	Radiation Opening (mm)	Supply Voltage (Vdc)	Current Amplification	Rise Time (ns)		Anode of First Dynode Voltage (Vdc)	Anode to Last Dynode Voltage (Vdc)	Average Anode Current (A)	Operating Vacuum Level	
R474	16	Box-and-Grid	Cu-BeO	8×6	2400	1×10 ⁶	9.3	5.0	4000	350	10	1.3×10 ⁻²	1×10 ⁻⁴
R515								4.0					
R596				10	9.0								
R595	20	Mesh	Cu-BeO	12×10	3000	4×10 ⁷	12	9.0	5000	400			
R2362	23			φ20	3450	5×10 ⁵	3.5	23	4000	350			

- Types with large opening of 58mm (R2363) and 105mm (R2364) in diameter are also available.
- Super-compact type R4146 is also available.

^A Average over any interval of 30 seconds maximum

GM (Geiger-Müller) Tubes

at 25°C

Type No.	Dimensions Max. (mm)	Effective Length Min. (mm)	Filling Gas	Capacitance of Anode to Cathode (pF)	Starting Voltage Max. (V)	Plateau Voltage (V)	Plateau Slope Max. (%/V)	Background Max. (cpm)	Life Expectancy (counts)	Equivalent Tube
D3372	φ6.2×37	16	He,Ne,Halogen	3	380	500 to 650	0.15	2	5×10 ¹⁰ (4500cps)	Philips 18509
D3553	φ6.2×27	8		2.5	400	500 to 600	0.3	1	1×10 ¹⁰ (3200cps)	Philips 18529
D3517	φ6.2×24	5		—						

Compact GM Counter Tubes

D3372	φ6.2×37	16	He,Ne,Halogen	3	380	500 to 650	0.15	2	5×10 ¹⁰ (4500cps)	Philips 18509
D3553	φ6.2×27	8		2.5	400	500 to 600	0.3	1	1×10 ¹⁰ (3200cps)	Philips 18529
D3517	φ6.2×24	5		—						

High-Sensitivity GM Counter Tubes

D4345	φ25×235	170	He,Ne,Halogen	9	420	500 to 650	0.15	80	1×10 ¹⁰ (1000cps)	—
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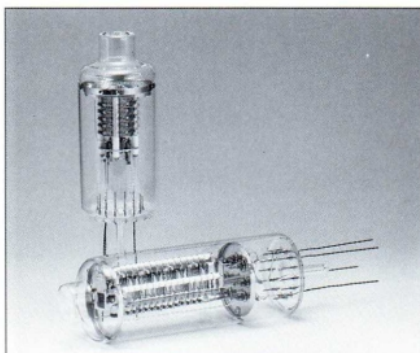
^A Shield with 50mm Pb and 3mm Al

Proportional Counter Tubes

at 25°C

Type No.	Dimensions (mm)	Effective Area (mm)	Filling Gas	Path Length (mm)	Operating Voltage Range (Vdc)	Recommended Operating Voltage (Vdc)	Energy Resolution (%)	Capacitance (pF)
D1286	φ38×120	20×20	Ne+CO ₂	30	1200 to 1400	1300	19	2.5

^A Measured with ⁵⁶Fe source (5.9keV)



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Compact GM Counter Tubes



Proportional Counter Tubes