

vacuum ultra-violet sensitive 29 and 51 mm (1 1/8" and 2") diameter

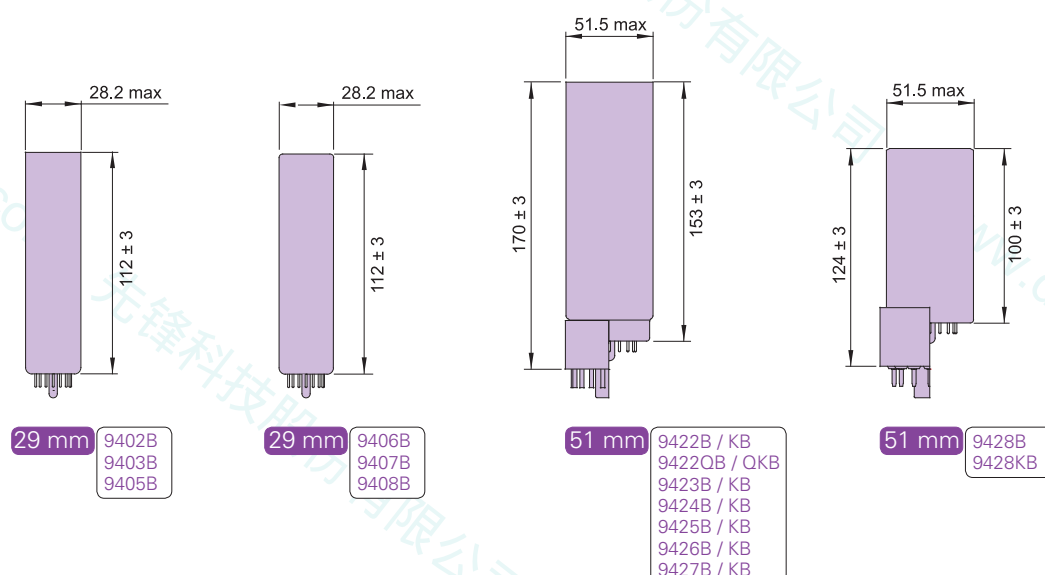
type	Characteristics				Photocathode sensitivity							Photomultiplier performance						
	diameter nominal mm	active diameter nominal mm	number & type of dynodes	dynode surface	QE (%) peak typical	QE Curve	uA/Lm min	uA/Lm typical	CB typical	CR typical	IR typical	nominal A/Lm	Vk-a typical	Vk-a max	gain X10 ⁶	dark current typical nA	dark current max nA	dark rate typical s ⁻¹
9402B	29	25	11 LF	BeCu	12	MF-CsTe	-	-	-	-	-	-	2000	3000	10	0.5	5	150
9403B	29	25	11 LF	BeCu	10	MF-CsI	-	-	-	-	-	-	4000	5000	10	0.05	0.5	10
9405B	29	25	11 LF	BeCu	10	MF-RbTe	-	-	-	-	-	-	2200	3000	10	0.3	5	50
9406B	29	25	11 LF	SbCs	28	MF - c	-	50	8	1	-	200	900	1150	4	0.2	5	100
9407B	29	25	11 LF	SbCs	25	MF - a	-	75	10	5	-	200	1050	1300	3	0.3	5	200
9408B	29	25	11 LF	BeCu	21	MF - f	90	170	8	75	6	200	1300	1800	1	1	10	5000
9422B	51	46	14 LF	BeCu	12	MF-CsTe	-	-	-	-	-	-	1800	2500	10	1	10	300
9822QB	51	46	14 LF	BeCu	12	Q-CsTe	-	-	-	-	-	-	1800	2500	10	1	10	300
9423B	51	46	14 LF	BeCu	10	MF-CsI	-	-	-	-	-	-	3400	4500	10	0.1	1	20
9424B	51	46	14 LF	BeCu	8	MF-KBr	-	-	-	-	-	-	3800	4500	10	0.1	1	10
9425B	51	46	14 LF	BeCu	10	MF-RbTe	-	-	-	-	-	-	2000	2500	10	0.5	10	100
9426B	51	46	14 LF	BeCu	26	MF - c	-	50	8	1	-	500	1800	2500	10	3	30	1500
9427B	51	46	14 LF	BeCu	20	MF - f	-	170	8	75	6	500	2000	2500	2.9	30	300	20000
9428B	51	46	10 LF	SbCs	28	MF - c	-	60	2	10	-	50	900	1100	0.8	0.3	1.5	300

All types in the 9422 series are available in capped base format, eg. 9422KB.

Comprehensive data sheets for all of the above types are available on request, or can be downloaded from the website.

Outline drawings mm

(add 0.8mm to diameter when insulating sleeving is specified)



max rated A/Lm (gain)	pulse rise time ns	pulse fwhm ns	type	Special features	Accessories			
					Socket	Shield	Voltage divider series	
							passive	active
(2X10 ⁷)	4.5	7.5	9402B	solar blind, MgF2 window, sensitivity from 110 to 360 nm.	B14B	MS30B	C670	-
(2X10 ⁷)	4.5	7.5	9403B	solar blind, MgF2 window, sensitivity from 110 to 230 nm.	B14B	MS30B	C670	-
(2X10 ⁷)	4.5	7.5	9405B	solar blind, MgF2 window, sensitivity from 110 to 310 nm.	B14B	MS30B	C670	-
2000	4.5	7.5	9406B	variant of 9125B, MgF2 window to extend UV sensitivity to 110 nm.	B14B	MS30B	C670	-
2000	4.5	7.5	9407B	variant of 9124B, MgF2 window to extend UV sensitivity to 110 nm.	B14B	MS30B	C670	-
2000	3.5	5	9408B	variant of 9129B, MgF2 planar window, sensitivity from 110 to 850 nm.	B14B	MS30B	C670	-
(2X10 ⁷)	2	3	9422B	solar blind pmt, MgF2 window, sensitivity from 110 to 360 nm.	B19A	MS52C	C638	-
(2X10 ⁷)	2	3	9422QB	version of 9422B, sensitivity from 165 to 360 nm.	B19A	MS52C	C638	-
(2X10 ⁷)	2	3	9423B	solar blind pmt, MgF2 window, sensitivity from 110 to 230 nm.	B19A	MS52C	C638	-
(2X10 ⁷)	2	3	9424B	solar blind pmt, MgF2 window, sensitivity from 110 to 160 nm.	B19A	MS52C	C638	-
(2X10 ⁷)	2	3	9425B	solar blind pmt, MgF2 window, sensitivity from 110 to 310 nm.	B19A	MS52C	C638	-
5000	2	3	9426B	variant of 9813B, MgF2 window, sensitivity from 110 to 630 nm.	B19A	MS52C	C638	-
5000	2	3	9427B	variant of 9816B, MgF2 window, sensitivity from 110 to 850 nm.	B19A	MS52C	C638	-
500	4	6.5	9428B	variant of 9266B, MgF2 window to extend UV sensitivity to 110 nm.	B19A	MS52B	C647	-

aded from www.et-enterprises.com

Base configurations

(Viewed from below)

