

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

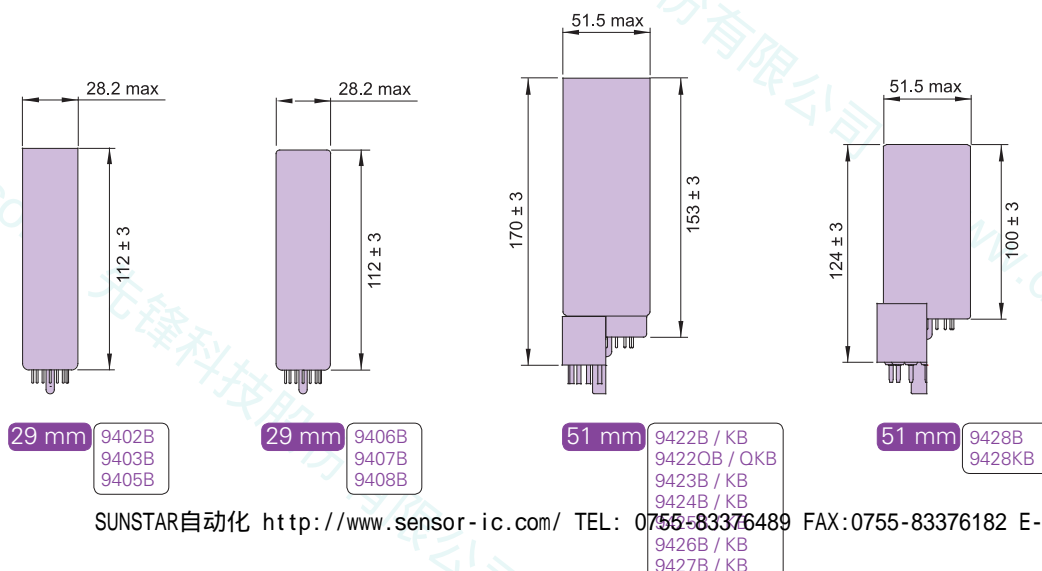
type	Characteristics				Photocathode sensitivity							Photomultiplier performance						
	diameter nominal mm	active diameter nominal mm	number & type of dynodes	dynode surface	QE (%) peak typical	QE Curve	uA/Lm min	uA/Lm typical	CB typical	CR typical	IR typical	nominal A/Lm	Vk-a typical	Vk-a max	gain X10 <sup>6</sup>	dark current typical nA	dark current max nA	dark rate typical s <sup>-1</sup>
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**

### 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 <sup>7</sup> )	4.5	7.5	9402B	solar blind, MgF2 window, sensitivity from 110 to 360 nm.	B14B	MS30B	C670	-
(2X10 <sup>7</sup> )	4.5	7.5	9403B	solar blind, MgF2 window, sensitivity from 110 to 230 nm.	B14B	MS30B	C670	-
(2X10 <sup>7</sup> )	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 <sup>7</sup> )	2	3	9422B	solar blind pmt, MgF2 window, sensitivity from 110 to 360 nm.	B19A	MS52C	C638	-
(2X10 <sup>7</sup> )	2	3	9422QB	version of 9422B, sensitivity from 165 to 360 nm.	B19A	MS52C	C638	-
(2X10 <sup>7</sup> )	2	3	9423B	solar blind pmt, MgF2 window, sensitivity from 110 to 230 nm.	B19A	MS52C	C638	-
(2X10 <sup>7</sup> )	2	3	9424B	solar blind pmt, MgF2 window, sensitivity from 110 to 160 nm.	B19A	MS52C	C638	-
(2X10 <sup>7</sup> )	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](http://www.et-enterprises.com)

## Base configurations

(Viewed from below)

