



SELECTION CHART FOR SINGLE ELEMENT HYBRIDISED PHOTODETECTORS

SERIES	ACTIVE AREA (mm ²)	ADDITIONAL GAIN OPTION	GAIN (Ohm)	BAND- WIDTH (Hz)	SPECTRAL ENHANCEMENT				PEAK RESPONSIVITY (V/ μ W) NOTE 1	TYPICAL NEP (W/ $\sqrt{\text{Hz}}$) NOTES 1 & 2	TYPICAL MIN POWER LEVEL (μ W AT 900 nm) NOTE 1	TYPICAL SATURATION LEVEL (μ W AT 900 nm) NOTE 1	PREVIOUS DESIGNATION
					UV	V	IR	E					
OSI 1-300K/10M	1	+	300k	10M	O	O	O		0.15	2×10^{-12}	7×10^{-3}	26	OSI1-J OSI1-KHSA -L
OSI 5-10M/10K	5	+	10M	10k	O	O	O	O	5.8	1.5×10^{-12}	2×10^{-4}	2	OSI5-J -K -L & -E
OSI 5-50M/2K	5		50M	2k		O	O		29	6×10^{-13}	4×10^{-5}	0.4	
OSI 5-100M/1K	5		100M	1k		O	O		58	1×10^{-13}	4×10^{-6}	0.23	
OSI 15-100K/25K*	15	++	100k	25k		O	O		5.8×10^{-2}	6×10^{-12}	5×10^{-4}	200	
OSI 35-1M/2K5	35	++	1M	2.5k		O	O		5.8×10^{-1}	6×10^{-12}	4×10^{-4}	22	
OSI 50-40K/20M*	50	+	40k	20M		O	O		3×10^{-2}	3×10^{-11}	0.15	130	
OSI 100-40K/15M	100	+	40k	15M		O	O		3×10^{-2}	3×10^{-11}	0.15	130	

KEY: O AVAILABLE OPTIONS

. TO SPECIAL ORDER ONLY

++ LOWER GAIN VERSION TO SPECIAL ORDER ONLY

++ HIGHER GAIN VERSION TO SPECIAL ORDER ONLY

NOTES:

1. Values given are for the IR spectral enhanced version
2. NEP figures are stated at 900 nm
3. Spectral Enhancement: UV = Ultra Violet, V = Visible

IR = Infra-Red, E = Eye Response

HOW TO ORDER

