

## Vergleich Produkte

Category	Agilent HDJD	TAOS-Chip TCS230-E8 0103	Hamamatsu S9032	MAZeT MCS-Sensors	MAZeT MTCS-Sensors
<b>Sensitivity Silicon spectral</b>	RGB CMOS Absorption filter RGB	Equivalent CMOS Equivalent	Equivalent PIN Equivalent	Better why higher <sup>1</sup> PIN Blue Enhanced RGB Interference <sup>2</sup> filters	Better why higher PIN Blue Enhanced TriStimulus Interference DIN5033 (realized CIE in connection)
<b>Silicon Diodes</b>	3(3x3)Array	8x8 Array, colors clocked CMOS No PIN	1 x 3 Array PIN	1 x 3 or 19x3 Array Custom specific possible PIN CMOS custom specific	1 x 3 or 19x3 Array Custom specific possible PIN CMOS custom specific
<b>Frequency</b>	Parallel measurement  Universal frequency range	Serial I/F-converter, Low frequency	Parallel measurement  Universal frequency range	Parallel measurement  Universal frequency range	Parallel measurement  Universal frequency range
<b>Filters</b>	Absorption filters Small(er) tolerance but remaining transmission	Absorption filters Small(er) tolerance but remaining transmission	Absorption filters Small(er) tolerance but remaining transmission	High Quality Interference (stable) No remaining transmission (<1°) Custom specific possible	High Quality Interference (stable) No remaining transmission (<1%) Custom specific possible
<b>Packaging</b>	SMD	Only SO8	SO8	diverse spectrum SO/TO blocking, optics, glass fiber coupling and naked Chip for COB	diverse spectrum SO/TO blocking, optics, glass fiber coupling and naked Chip for COB

<sup>1</sup> Interference filters have a better transmission characteristic >90% than absorption filters 60...70%

<sup>2</sup> Ageing resistant, high transmission, hard surface, extremely temperature-stable (no drift, short or long time), high filter slopes

				Custom specific possible	Custom specific possible
<b>Electronic on chip</b>	Yes, and colour controller	Yes, but only current to frequency  High complexity	Not on the market, preliminary since 11/2005	Single sensor or Electronic (MTI04) on Hybrid High complexity but larger size	Single sensor or Electronic (MTI04) on Hybrid High complexity but larger size, One Chip on Board solution from Mai 06
<b>Restriction in application</b>	No, universal	Yes based on the parameters of the electronics on chip	No, universal	No, universal	No, universal, specialized for colour measurement and light control!
<b>Costs</b>	Sensor plus Controller 30 USD Sensor <5USD	??? 1,50...5USD???	4...10USD	From 5...30USD depended on quantity	From 5...15USD depended on quantity

#### Vergleich Anbieter

	<b>Avago</b>	<b>Hamamatsu</b>	<b>TAOS</b>	<b>MAZeT</b>
Reputation	+++	+++	++	++
Produktspektrum	-	-	-	+++
Qualität	+++	+++	++	+
Lieferbarkeit	+	++	++	++
Support	-	-	-	+++
Design-In	-	-	-	++
Preis	-	-	++	--