

Request For Quotation

Order the parts you need from our real-time inventory database. Simply complete a request for quotation form with your part information and a sales representative will respond to you with price and availability.

[Request For Quotation](#)

Your free datasheet starts on the next page.

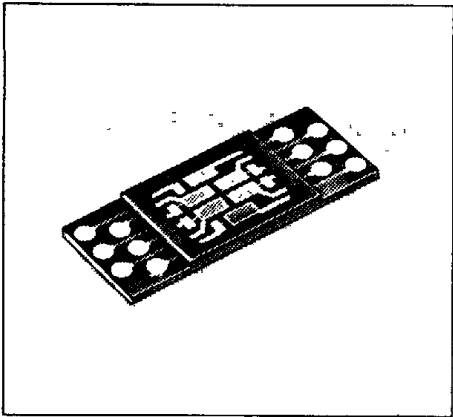
More datasheets and data books are available from our homepage: <http://www.datasheetarchive.com>

SIEMENS

KOM 0622033 A

6-CHIP SILICON PHOTODIODE ARRAY
LOW DARK CURRENT

T-41-55

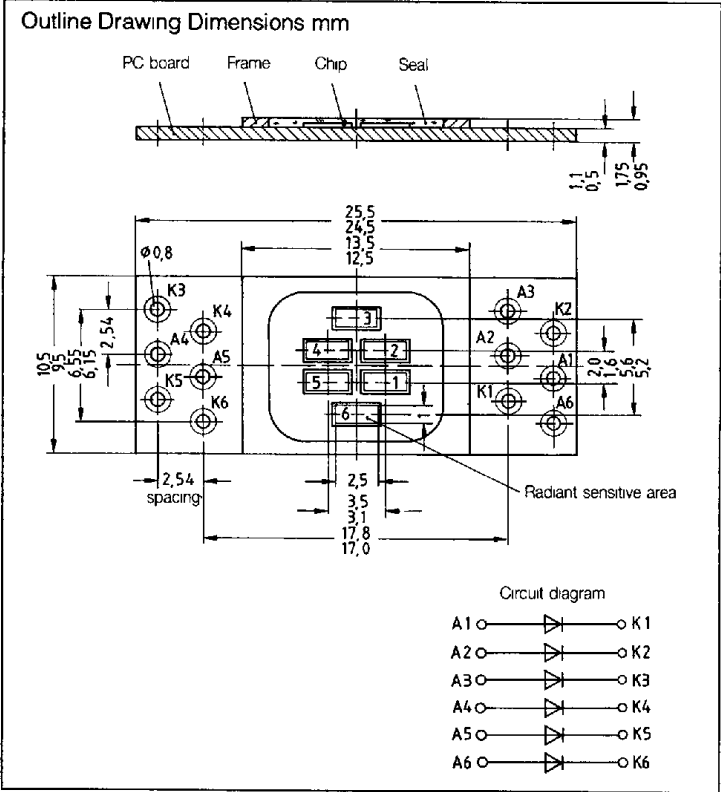


DESCRIPTION

The KOM 0622033 A is a 6 chip photodiode array fabricated in planar technology with low reverse current. The N-Si material used results in a positive front and negative back contact. These photodetectors are suitable for diode operation (with reverse voltage) as well as for element operation.

The package consists of a PC board with solder lugs, cover frame with clear epoxy seal. See drawing for cathode marking.

The KOM 0622033 A can be used on general-purpose PC board for shaft encoders. The individually LED-out photodiodes permit external components to be connected (series, parallel, antiparallel).



Characteristics (Single Segment)
($T_A=25^\circ\text{C}$, $E_V=1000\text{ lx}$, standard light A, $T=2856\text{ K}$)

Parameter	Symbol	Unit
Wavelength of Maximum		
Spectral Sensitivity	λ_s	850 nm
Spectral Sensitivity ($S=10\%$ of S_{max})	λ	400 - 1050 nm
Radiant Sensitive Area (6 elements)	A	1 x 2.5 mm
Half Angle	ϕ	$\pm 60^\circ$
Dark Current ($V_R=5\text{ V}$)	I_R	1 (≤ 50) nA
Maximum Deviation of the Spectral Sensitivity of the Systems from the Average Value	Δ_s	$\pm 10\%$
Open-Circuit Voltage	V_O	425 (≥ 300) mV
Photocurrent ($V_R=5\text{ V}$)	I_P	26.5 (≥ 15) μA
Forward Voltage ($I_F=10\text{ mA}$)	V_F	0.7 (≤ 0.8) V
Reverse Voltage ($I_R=5\text{ }\mu\text{A}$)	V_R	$> 20\text{ V}$
Capacitance ($V_R=0\text{ V}$) (chip)	C_O	150 pF

Photodiodes