

PARTIALLY DEPLETED PIPS DETECTOR

Serial number : 98344
 Lot number : 2058.200E.193.24
 Internal order number : SOR 8380

SPECIFICATIONS

Model **BKPD 50 - 11 - 500 AM**

Active area (mm²) ↑ ↑ ↑ ↑



Warranted alpha resolution (keV) ↑ ↑ ↑ ↑

Nominal depletion depth (μm) ↑ ↑ ↑ ↑

Suffix

PERFORMANCE

Recommended bias voltage	+ 130	Volts
Leakage current (at 20° C)	10	nA
Electronic resolution	5,6	keV (FWHM)
Alpha resolution	10,9	keV (FWHM)
Full depletion bias voltage	+ 110	Volts
Maximum bias voltage	+ 150	Volts
Batch chip thickness	501	μm
Batch bulk resistivity	8000	Ω-cm

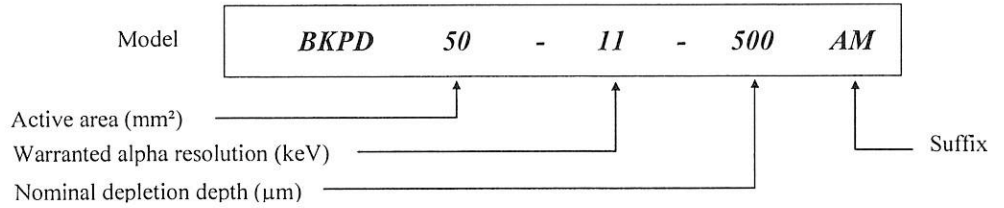
Tested by : 	Date : 05 june 12	Approved by : 
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Standard tests are performed following IEEE Standard Test Procedures for Semiconductors Charged Particle Detectors IEEE Std 300-1988.
 Alpha resolution is given for ²⁴¹Am, 5486 keV alphas, using standard Canberra electronics and 0.5 μs shaping time constant.
 Electronic resolution is approximated by pulser line width (FWHM) or RMS voltmeter.

PARTIALLY DEPLETED PIPS DETECTOR



Serial number : 98343
 Lot number : 2058.200E.193.23
 Internal order number : SOR 8380

SPECIFICATIONS



PERFORMANCE

Recommended bias voltage	+ 130	Volts
Leakage current (at 20° C)	10	nA
Electronic resolution	5,5	keV (FWHM)
Alpha resolution	11,0	keV (FWHM)
Full depletion bias voltage	+ 110	Volts
Maximum bias voltage	+ 150	Volts
Batch chip thickness	501	μm
Batch bulk resistivity	8000	Ω-cm

Tested by :  Date : 05 june 12 Approved by : 

Standard tests are performed following IEEE Standard Test Procedures for Semiconductors Charged Particle Detectors IEEE Std 300-1988.
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