

Sales Specifications

Model Number: SA- P4-0812-255

Rev:

He-3 NEUTRON DETECTOR - PROPORTIONAL COUNTER

Mechanical

Maximum diameter: SEE DRAWING
Maximum overall length: SEE DRAWING
Connector Type: SHV

Material

Body Material: 304 S. S.
Connector Material: BRASS, SILVER PLATED
Connector Insulator: TEFLON
Internal Insulator: ALUMINA CERAMIC
Coating Material:
Primary Gas: He-3
Total Pressure: 75 psia (0.52 MPa)

Electrical

Resistance : 1.00E+12 ohms
Capacitance: 10 pF+20%

Maximum Ratings

Maximum Voltage: 2000 volts
Maximum Temperature: 100 °C

Operating Characteristics

Thermal neutron flux range: 1.16E-03 to 1.19E+03 nv
Thermal neutron sensitivity: 41.3 cps/nv ± 10 %
Voltage Range: 1250 to 1750 volts
Resolution (FWHM): < 10 %
Temperature range: -25 °C to 100 °C

GE Reuter-Stokes reserves the right to
improve or modify designs and/or
specifications without notice.

04-Sep-09

GE PROPRIETARY AND CONFIDENTIAL, UNCONTROLLED WHEN PRINTED OR TRANSMITTED ELECTRONICALLY

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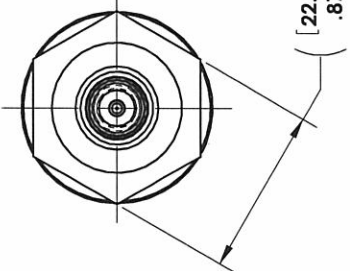
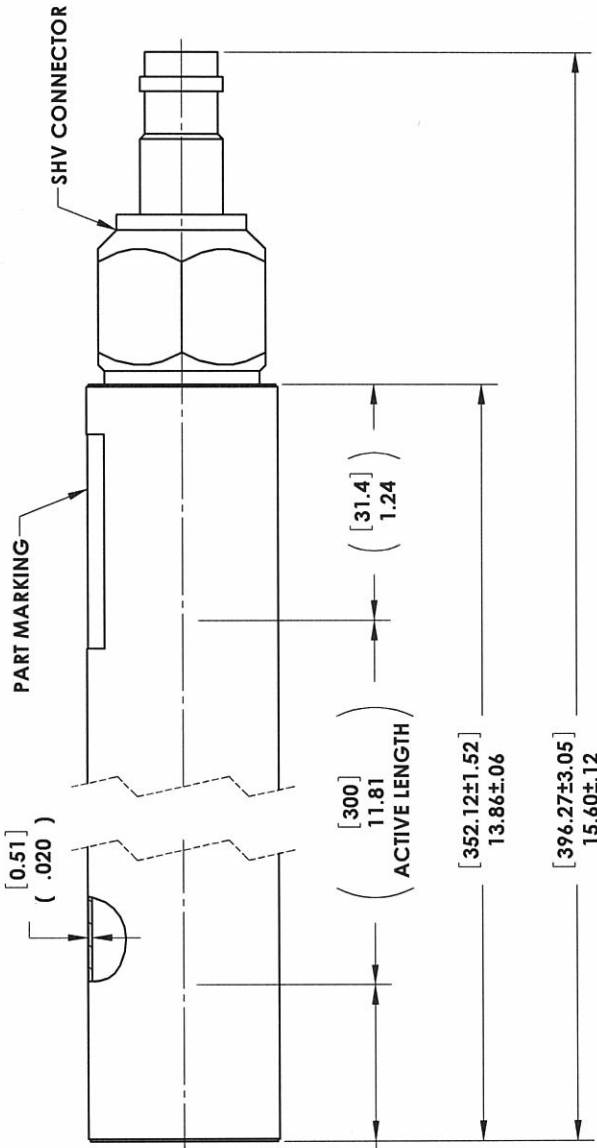
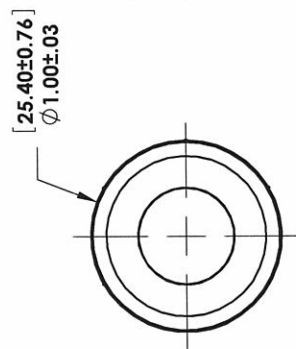
REVISIONS	
REV.	DESCRIPTION
	APPROVED

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NOTES:

- 1- DIMENSIONS IN PARENTHESES, (), ARE REFERENCE AND WILL NOT BE INSPECTED AT THIS LEVEL.
- 2- DIMENSIONS SPECIFIED AS FOLLOWS: [MILLIMETERS] AND INCHES. THIS DETECTOR WILL BE MANUFACTURED TO THE ENGLISH DIMENSIONS AND TOLERANCES SHOWN ON THIS DRAWING. DUE TO CONVERSION/ROUNDING CONVENTIONS, THE "FOR INFORMATION ONLY" METRIC DIMENSIONS AND TOLERANCES MAY NOT BE CONGRUENT.

CONDENSED DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED		LIST OF MATERIAL OR PARTS	
2. DECIMAL	±.03	GE	Energy
3. DECIMAL	±.01	HE-3 PROPORTIONAL COUNTER	
4. DECIMAL	±.005	UNCONTROLLED WHEN PARTS OF TRANSMITTED ELECTRONICALLY.	
ANGULAR	±.1° SURFACE FINISH	HE-3 PROPORTIONAL COUNTER	
TILED	±.0001	HE-3 PROPORTIONAL COUNTER	
DIMENSIONS ARE IN INCHES	±.0001	HE-3 PROPORTIONAL COUNTER	
MATERIAL	STAINLESS STEEL CONSTRUCTION	SIZE	B
		DWG NO	RS-P4-0812-255
		SCALE	3:2
		REV	NC
		SHEET	1 OF 1

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