MINISTRY OF SUPPLY - DLRD(A)/RRE(South)

CV2183

VALVE ELECTRONIC

Specification MOS(A)/CV2183 Issue 3 Dated 9.3.55. To be read in conjunction with K1001	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Bolometer ENVELOPE - Glass - unmetallised PROTOTYPE - X661	MARKING CV2183 Factory Identification Code Date Code

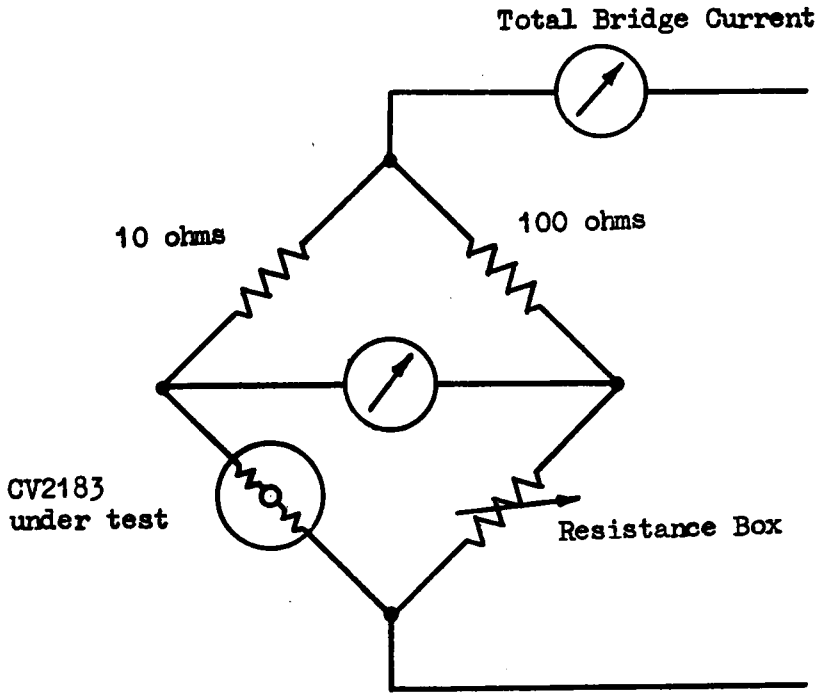
RATING		Note	BASE
Nominal Cold Resistance (ohms)	2.7		See Drawing on Page 3
Max. Operating Resistance(ohms)	22		CONNECTIONS AND DIMENSIONS See Drawing on Page 3

To be performed in addition to those applicable in K1001

	Test Conditions	Test	Limits Min.	Limits Max.	No. Tested	Note
a	Total Bridge Current (DC) 2 mA to 3 mA	Resistance (ohms)	2.6	3.2	100%	1
b	Resistance 18 ohms	Total Bridge Current (DC) (mA)	66	82	100%	1

NOTE

1. Valve to be tested in bridge circuit. See Diagram.



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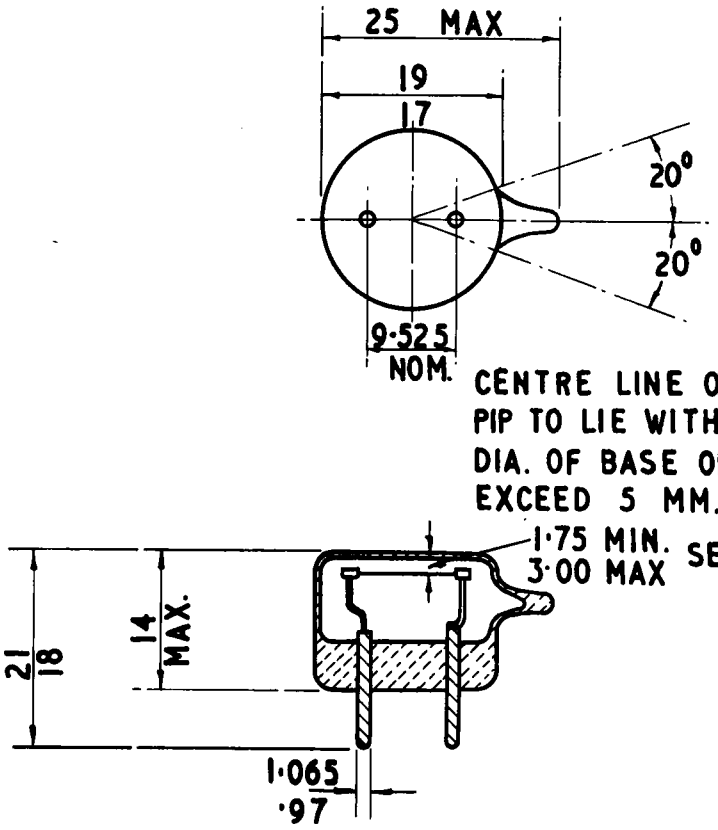

NOTES

1 THE PINS ARE POSITIONED DIAMETRICALLY OPPOSITE AS SPECIFIED FOR A B7G BASE IN K1001/AIV/D9.

2 THE BOLOMETER MUST BE ABLE TO PLUG IN A B7G PIN POSITION GAUGE, AS DRAWN IN K1001/AIV/D9A.

3 THIS DIMENSION IS TO BE MEASURED AS THE DIFFERENCE BETWEEN THE OVERALL HEIGHT OF THE BOLOMETER AND THE MEAN HEIGHT OF THE FILAMENT ABOVE THE END OF THE PINS. THE LATTER DIMENSION SHALL BE MEASURED BEFORE THE BULB IS SEALED TO THE BASE.

ALL DIMENSIONS IN MMS.