Thermal Delay Switches

Codes: S103/1K
S104/1K

These miniature thermal delay switches have been designed to provide delay between the application of heater voltage and anode voltage in indirectly heated valves and mercury vapour rectifiers.

HEATER	**S103/1K**	**S104/1K**	
Voltage	27	6.3	V
Nominal current	0.115	0.5	A
DELAY TIME AT 20°C			
Minimum delay	36	25	sec
Maximum delay	54	35	sec
MECHANICAL DATA			
Maximum overall length		54	mm
Maximum seated height		47.6	mm
Maximum overall diameter		19.1	mm
Base		B7G	
Net weight		9	g
Mounting position		Vertical, base down←	
MAXIMUM RATINGS			
Maximum open circuit D.C. voltage between contacts		220	V
Maximum contact current on make		1	A
Maximum surge current on make		5	A
Maximum current on break at 50 V D.C.		100	mA

NOTE.—A recommended method of operation is to arrange for the delay switch to operate a mechanical relay fitted with a "hold-on" coil. By this means large powers can be handled and it can be so arranged that as the contacts close the heater supply of the switch is removed. This will ensure the full delay time in the event of a shut down.

These delay switches may be connected in series to obtain multiples of the quoted delay time.

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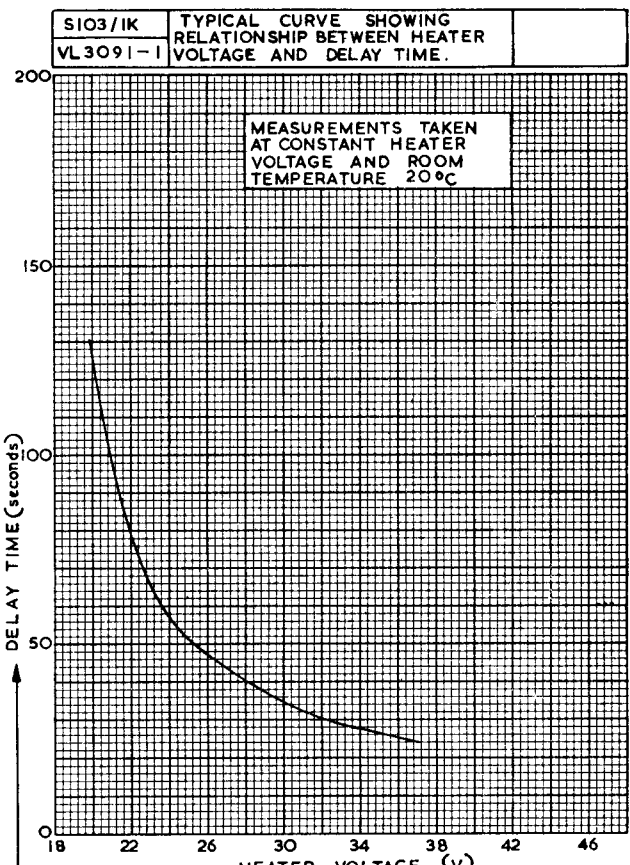

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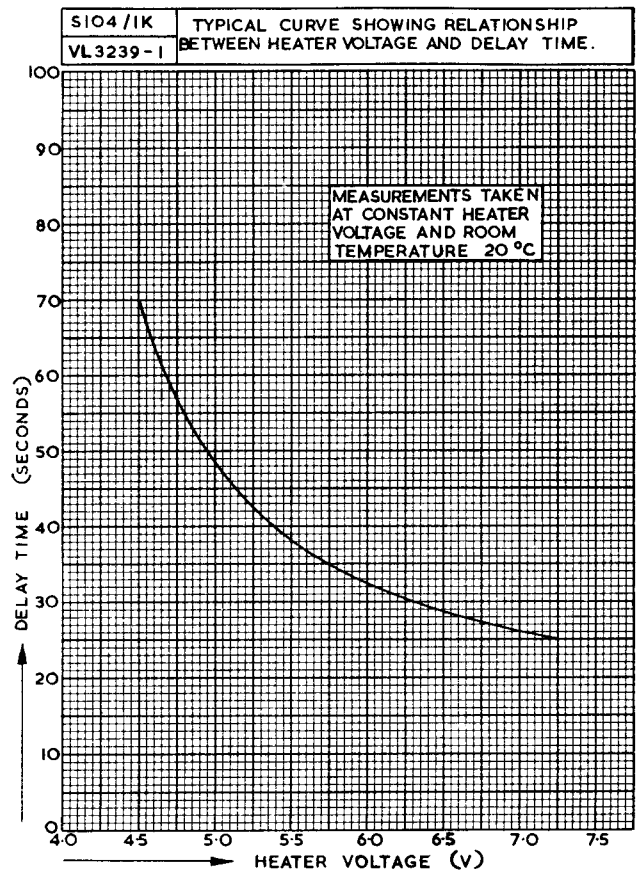

Ref.:
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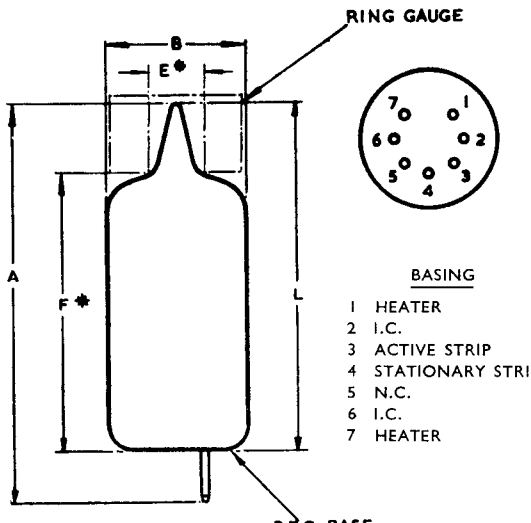

* DENOTES:- MEASURED FROM BASE SEAT TO BULB TOP LINE, AS DETERMINED BY RING GAUGE OF 'E' INT. DIA.

	DIM	MILLIMETRES	INCHES
	A	54·0 MAX.	2 1/8 MAX.
	B	19·1 MAX	3/4 MAX.
*	F	38·1 ± 4·0	1 1/2 ± 5/32
	L	47·6 MAX	1 7/8 MAX.
*	E	11·1	7/16

NOTE:- BASIC FIGURES ARE INCHES.