

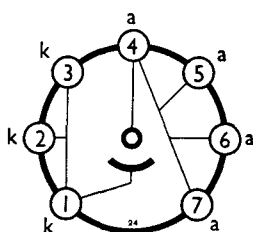


MINIATURE VOLTAGE STABILISERS SINGLE GAP

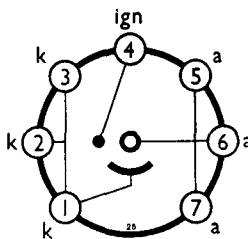
QS75/20
QS95/10
QS150/15
NOVEMBER, 1954

The **QS75/20** is a commercial equivalent of **CV284**.
The **QS95/10** is a commercial equivalent of **CV286**.
The **QS150/15** is a commercial equivalent of **CV287**.

BASE CONNECTIONS AND TUBE DIMENSIONS



QS75/20



QS95/10 and QS150/15

View from underside of bases.

Base : B7G
Bulb : Tubular

Overall length : 54 mm.
Seated length : 47.6 mm.
Max. diameter : 19 mm.

RATINGS

	QS75/20	QS95/10	QS150/15	
$V_{\text{ign}} (a-k)$	110	110	177	V
V_{stab}	$*75 \pm 5$	$\dagger 95 \pm 5$	$*150 \pm 5$	V
$V_{\text{ign}} (ign-k)$	—	150	240	V
$I_{\text{tube}} (\text{max})$	20	10	15	mA
$I_{\text{tube}} (\text{min})$	2	2	2	mA
R_{ign}	—	0.25	0.25	MΩ
Regulation (I_{tube} min.-max.)	6	5	5	V
Stability {	(100 hr. period) ± 2 (1000 hr. period) ± 2	± 3 ± 7	± 1 ± 1.5	%

* At $I_{\text{tube}} = 10 \text{ mA}$. † At $I_{\text{tube}} = 5 \text{ mA}$.

OPERATION

The stabilisers require an ignition voltage greater than the stabilised voltage, and the supply should be not less than one and a half times the stabilised voltage. The ignition voltage must be applied to the tube through a series resistor to absorb the excess voltage after ignition and prevent a heavy discharge current through the tube. When calculating the value of series resistor, an ignition current of approximately 4 mA should be allowed in addition to the load current.

Types QS95/10 and QS150/15 are fitted with ignition electrodes to facilitate ignition when a heavy load is permanently shunted across the tube. The ignition electrode voltage is applied through a series resistor (R_{ign}) from a higher voltage source and suitable values are given in the above ratings. This voltage may be taken from a separate supply if desired.

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QS75/20

QS95/10

QS150/15

