Hygrade Sylvania

TECHNICAL DATA

Sylvania 2 Volt "G" Tubes

A new group of 2 volt tubes, consisting of eight types, is now made available by Hygrade Sylvania Corporation. These tubes are identical with some of the more popular 2 volt standard glass tubes, with the exception of the bases and top caps. The bases are of the octal type with locating lug and the top caps are of the miniature style. The ST-12 size of bulb is used for this group with the exception of Type 1F5G which is enclosed in an ST-14 bulb.

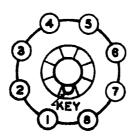
The characteristics, operating conditions, and circuit application of these tubes are identical to equivalent standard 2 volt glass tubes with the exception of the filament current for Type 1J6G. The filament current for this type is 240 milliamperes as compared to 260 milliamperes for the equivalent Type 19. Reference, therefore, may be made to data on equivalent glass tubes for additional information on this group of "G" tubes. Ballast tubes equipped with octal type bases will be made available to handle the requirements for various combinations of these new tubes and dial lamps.

It will be noted, in the base pin arrangement, that pin number 1 is open, having no connection. It is suggested that the contact for that pin be grounded, thus providing future means for metal tube replacement, if desired. The other open pins located on the bases are provided for uniformity in bases and dnot for future purposes.

The following table lists the complete 2 volt "G" group, showing base pin arrangements and equivalent standard glass types. Additional data may be obtained by referring to the data on equivalent types in the Sylvania Technical Manual.

OCTAL BASE	EQUIVALENT	BASE PIN ARRANGEMENT								TOP
"G" TYPES	TYPE	1	2	_3_	4	_5_	6	7	8_	CAP
1C7G	106	NC	F+	P	G ₂ G ₅	G ₁	${\tt G_2}$	F-	NC	G ₄
1D5G	1A4	NC	F+	P	G_2	NC		F-	N∙C	G_1
1D7G	1 A 6	NC	F+	P	GgG ₅	${\tt G}_1$	${\tt G}_2$	F-	NC	G ₄
1E5G	1B4	NC	F+	P	G_2	NC		F-	NC	Gī
1F5G	1F4	NC	F+	P	G2	${\tt G}_1$		F-	NC	
1H4G	30	NC	F+	P	NC	G ₁		F-	NC	
1H6G	1B5/25S	NC	F+	P	D(+)	D(-)	G	F-	NC	
1J6G*	19	NC	F+	P_1	G ₁	G2	P_2	F-	NC	

*Filament Current 240 milliamperes as compared to 260 milliamperes for Type 19.



from RMA release #70, May 4, 1936

Bottom View of Base