



Arcotron BT 31

Type
BT 31

Nr.
10.31

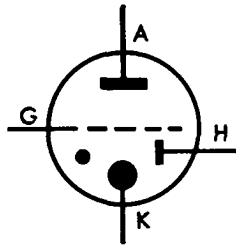
Ed.
3.62

Fol.
1

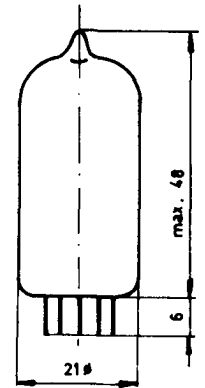
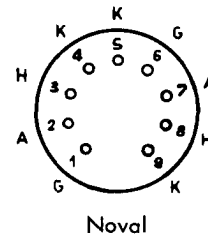
Leistungsschaltröhre mit kalter Kathode und thyatronähnlicher Charakteristik. Speisung mit 220 V Wechselspannung oder 300 V Gleichspannung. Zulässiger Dauerstrom 0,3 A.

Tube commutateur de puissance à cathode froide et caractéristique similaire à celle d'un thyatron. Alimentation en courant alternatif de 220 V ou 300 V continu. Courant permanent 0,3 A.

Power switching tube with cold cathode and similar characteristic to that of a thyatron. AC anode voltage supply 220 V or 300 V DC. Mean current 0,3 A.



K: Kathode
Cathode
H: Hilfsanode
Anode auxiliaire
Auxiliary anode
A: Anode
G: Steuergitter
Grille de commande
Control grid



KENNDATEN; GRENZBETRIEBSDATEN

Anodenzündspannung
($V_G = -25$ V)
Hilfsanodenzündspannung
Bogenspannung A-K
Bogenspannung H-K
(bei $I_H > 20$ mA
linearer Mittelwert)
Kathoden-Dauerstrom
Kathoden-Spitzenstrom
Gitterspannung
negative Anodenspannung

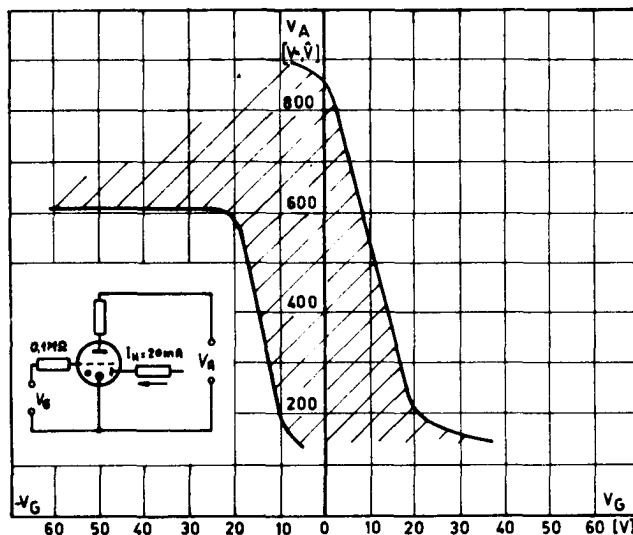
CARACTERISTIQUES; LIMITES D'OPERATION

Tension d'amorçage anodique
($V_G = -25$ V)
Tension d'amorçage de
l'anode auxiliaire
Tension d'arc A-K
Tension d'arc H-K
(pour $I_H > 20$ mA
moyenne linéaire)
Courant cathodique permanent
Courant cathodique de pointe
Polarisation de la grille
Tension anodique négative

CHARACTERISTICS; LIMITING VALUES

Anode breakdown voltage ($V_G = -25$ V)	V_{ZA}	600 V min
Auxiliary anode breakdown voltage	V_{ZH}	250 V max
Arc voltage A-K	V_{arc}	20 V
Arc voltage H-K ($I_H > 20$ mA linear mean value)	V_{arcH}	25 V
Permanent cathode current	I_K	0,3 A
Peak cathode current	I_{Kpeak}	10 A
Grid bias voltage	V_G	-100 V max
Inverse anode voltage	$V_{Apeak inv.}$	600 V max

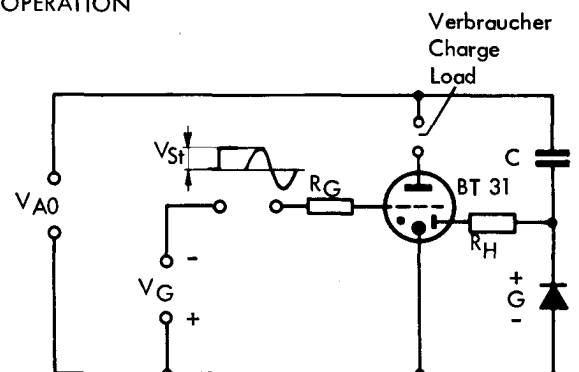
STEUERKENNLINIE CARACTERISTIQUE DE COMMANDE CONTROL CHARACTERISTIC



Hauptanwendung: Steuerung von Magnetventilen.

MONTAGE in beliebiger Lage.

TYPISCHE BETRIEBSDATEN OPERATION TYPIQUE TYPICAL OPERATION



V_{A0} 220 V~
 R_H 5 k Ω , 10 W
 R_G 10 k Ω - 1 M Ω
 V_G ca 25 V

V_{St} ≥ 50 V
 C 2 μ F
 G 700 V, 60 mA
(E250 C 85)

Application principale: Commande d'électro-vannes.

MONTAGE en toute position.

Main application: Control of solenoid valves.

MOUNTING in any position.