

Dieter's Nixie Tube Data Archive

This file is a part of Dieter's Nixie- and display tubes data archive

If you have more datasheets, articles, books, pictures or other information about Nixie tubes or other display devices please let me know.

Thank you!

Document in this file	RFT tube data book and translation
Display devices in this document	Z5600M, Z560M, Z5660M, Z566M, Z5680M, Z568M, Z5700M, Z570M, Z5730M, Z573M, Z5740M, Z574M, Z5900M, Z590M, Z8700M, Z870M

		Z 560 M	Z 566 M	Z 568 M	Z 570 M
		Z 5600 M	Z 5660 M	Z 5680 M	Z 5700 M
mit Farbfilter					
ohne Farbfilter					
Anzeige					
Symbol		0 bis 9	0 bis 9	0 bis 9	0 bis 9
Leserichtung		frontal	seitlich	seitlich	seitlich
Höhe der Symbole in mm		15,5	30	50	13
Betrachtungsabstand (max.) in m		≈ 10	≈ 18	≈ 30	8
Kennwerte					
Anodenzündspannung	U_{oz} in V	145	150	150	150
Anodenbrennspannung	U_{oB} in V	135	140	140	140
Anodenlöschspannung	$U_{alösch}$ in V	120	120	120	120
Grenzwerte (absolut)					
Betriebsspannung U_b min. in V		170	170	200	170
Katodenstrom I_k min. in mA		1	3	4	1,5
I_k max. in mA		2,5	6	7	2,5
Katodenspitzenstrom I_{ks} max in mA		10	20	25	12
Umgebungstemperatur					
bei Lagerung t_{amb} min. in °C		— 50	— 50	— 50	— 50
max. in °C		70	70	70	70
bei Betrieb t_{amb} min. in °C		— 10	— 10	— 10	— 10
max. in °C		50	50	50	50
		Stift 8	Stift 8	Stift 10	Draht 7

with contrast filter coating		Z 560 M	Z 566 M	Z 568 M	Z 570 M
without contrast filter coating		Z 5600 M	Z 5660 M	Z 5680 M	Z 5700 M
Display					
Symbols		0 to 9	0 to 9	0 to 9	0 to 9
Viewing direction		end	side	side	side
Character height (mm)		15.5	30	50	13
Maximum viewing distance (m)		~10	~18	~30	~8
Typical values					
Ignition voltage	V_{ign}	145	150	150	150
Maintaining voltage	V_{maint}	135	140	140	140
Extinguishing voltage	V_{ext}	120	120	120	120
Absolute limiting values					
Minimum supply voltage	V_{supply}	170	170	200	170
Continuous current (mA)	$I_{\text{k min.}}$	1	3	4	1.5
	$I_{\text{k max.}}$	2.5	6	7	2.5
Pulse current (mA)	$I_{\text{kp max.}}$	10	20	25	12
Ambient temperature (°C)					
Storage	$t_{\text{amb min.}}$	-50	-50	-50	-50
	$t_{\text{amb max.}}$	70	70	70	70
Operating	$t_{\text{amb min.}}$	-10	-10	-10	-10
	$t_{\text{amb max.}}$	50	50	50	50
Installation		Pin 8 at top	Pin 8 at front	Pin 10 at front	Wire 7 at front

ohne Farbfilter
mit Farbfilter

Z 573 M
Z 5730 M

Z 574 M
Z 5740 M

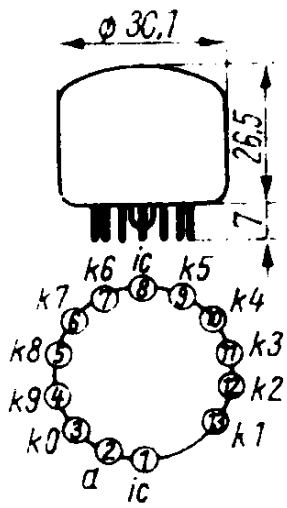
Z 590 M
Z 5900 M

Z 870 M
Z 8700 M

	Z 573 M Z 5730 M	Z 574 M Z 5740 M	Z 590 M Z 5900 M	Z 870 M Z 8700 M
Anzeige				
Symbol	0 bis 9	0 bis 9		0 bis 9 biquinär
Dezimalzeichen	rechts	links	beiderseits	
Leserichtung	seitlich	seitlich	seitlich	seitlich
Höhe der Symbole in mm	13	13	10	15,5
Betrachtungsabstand in m	8	8	5	10
Kennwerte				
Anodenzündspannung U_{az} in V	150	150	150	150
Anodenbrennspannung U_{ab} in V	140	140	140	140
Anodenlöschspannung $U_{alösch}$ in V	120	120	120	—
Grenzwerte (absolut)				
Betriebsspannung U_b min in V	170	170	170	170
Katodenstrom I_k min in mA	1,5	1,5	1	3
I_k max in mA	2,5	2,5	2	5
Katodenspitzenstrom I_{ks} max in mA	12	12	10	7
Umgebungstemperatur				
bei Lagerung t_{amb} min. in °C	- 50	- 50	- 50	- 50
t_{amb} max. in °C	70	70	70	70
bei Betrieb t_{amb} min. in °C	10	10	10	10
t_{amb} max. in °C	50	50	50	50
Einbau	Draht 7 vorn	Draht 7 vorn		Stift 8 vorn

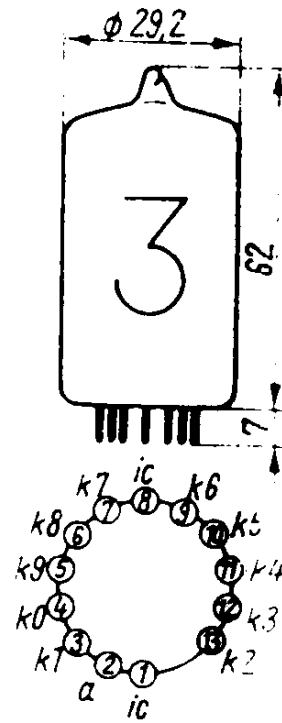
with contrast filter coating		Z 573 M	Z 574 M	Z 590 M	Z 870 M
without contrast filter coating		Z 5730 M	Z 5740 M	Z 5900 M	Z 8700 M
Display					
Symbols		0 to 9	0 to 9		0 to 9 bi-quinary
Decimal point		right	left	both sides	
Viewing direction		side	side	side	side
Character height (mm)		13	13	10	15.5
Maximum viewing distance (m)		~8	~8	~5	~10
Typical values					
Ignition voltage	V_{ign}	150	150	150	150
Maintaining voltage	V_{maint}	140	140	140	140
Extinguishing voltage	V_{ext}	120	120	120	—
Absolute limiting values					
Minimum supply voltage	V_{supply}	170	170	170	170
Continuous current (mA)	I_k min.	1.5	1.5	1	3
	I_k max.	2.5	2.5	2	5
Pulse current (mA)	I_{kp} max.	12	12	10	7
Ambient temperature (°C)					
Storage	t_{amb} min.	-50	-50	-50	-50
	t_{amb} max.	70	70	70	70
Operating	t_{amb} min.	-10	-10	-10	-10
	t_{amb} max.	50	50	50	50
Installation		Wire 7 at front	Wire 7 at front		Pin 8 at front

Z 560 M



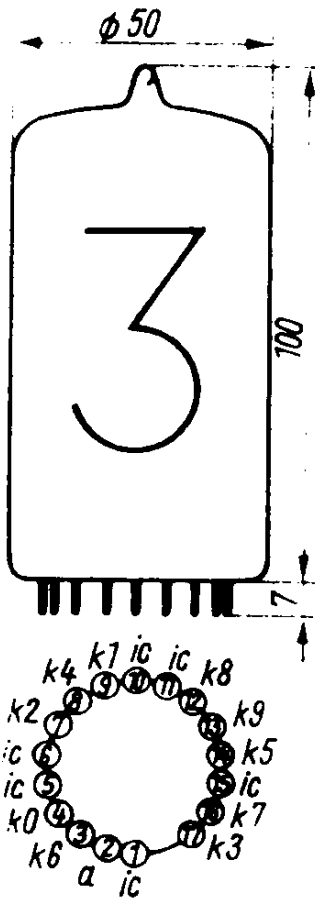
II. Z 560 M

Z 566 M



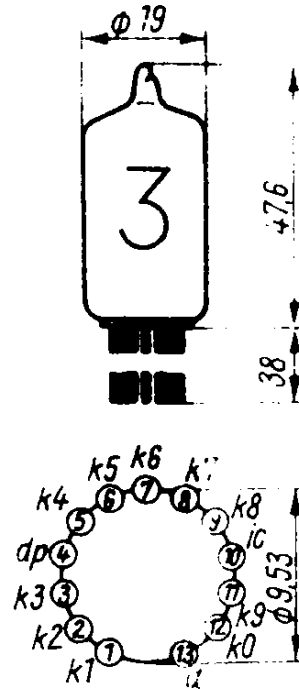
I. Z 566 M

Z 568 M



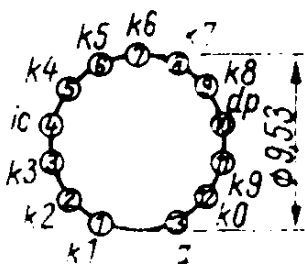
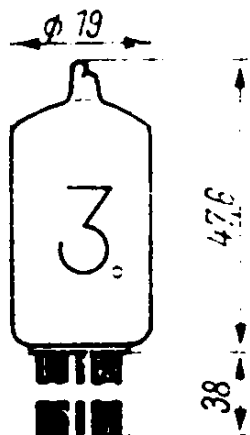
II. Z 568 M

Z 570 M



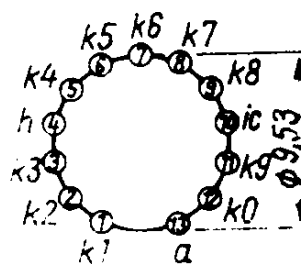
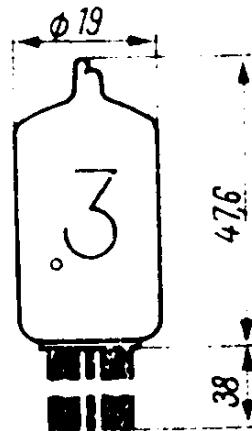
I. Z 570 M

Z 573 M



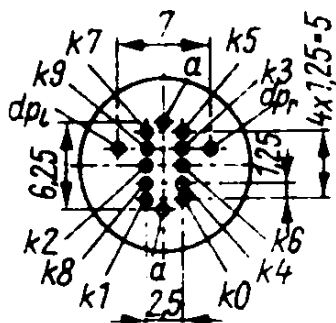
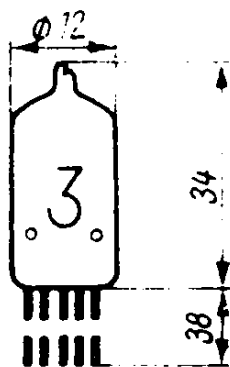
II Z 573 M

Z 574 M

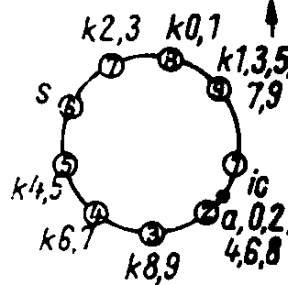
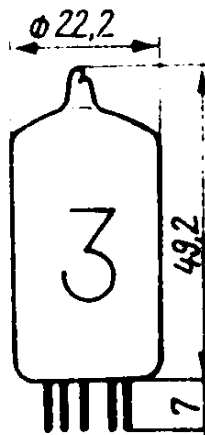


II 574 M

Z 590 M



Z 870 M



II. Z 870 M