

# 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	Philips datasheet – ZM1031/01
Display devices in this document	ZM1031/01

## INDICATOR TUBE

Cold cathode sign indicator tube for side viewing.

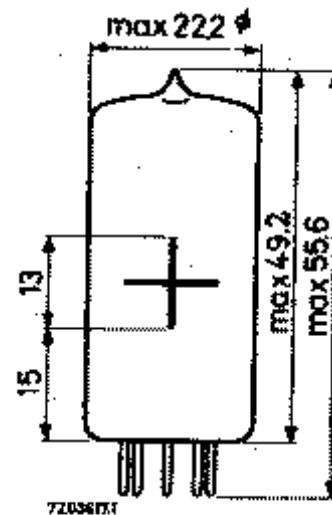
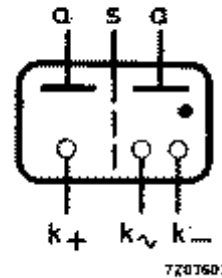
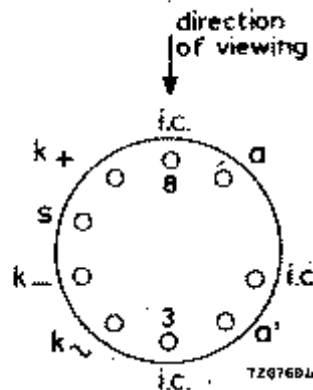
## QUICK REFERENCE DATA

Sign height		15	mm
Signs		+ -	
Supply voltage	$V_{ba}$	min. 170	V
Anode current	$I_a$	3	mA

## DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Noval



## CHARACTERISTICS AND OPERATING CONDITIONS

Ignition voltage	$V_{ign}$	max.	170	V
Maintaining voltage at $I_a = 3$ mA	$V_m$		140	V
Anode current,				
average during any conduction period for coverage	$I_a$	min.	2	mA
average, $T_{av} = 20$ ms	$I_a$	max.	4	mA
peak	$I_{ap}$	max.	10	mA
Incremental resistance	$r_a$		4,5	k $\Omega$