

# SOVTEK 2A3

2A3, direct heated triode with oxide cathode is used for low frequency power amplification in output stages of amplifiers.

Standard data		
Heater voltage (AC or DC)	2.5 v	
Plate voltage	250 v	
Grid voltage:		
under DC cathode power supply	- 42 v	
under AC cathode power supply	- 45 v	
Grid effective voltage	30 v	
Plate load resistance	2.5 kOhm	
General data		
Heater current	2.5 a	
Plate current	60 ma	
Transconductance	5.5 ma/v	
Amplification factor	4.2 $\mu$	
Output power	$\geq$ 3.0 w	
Limiting values	min	max
Heater voltage	2.25 v	2.75 v
Plate voltage		450 v
Cathode current		100 ma
Grid resistance under fixed bias		0.51 moh
Plate dissipation power		15 w
Grid negative voltage		- 120 v
Envelope temperature		150° C

The tube can't be exploited at two or more limited conditions.

Max height - 150mm  
 Max diameter - 55mm  
 Max mass - 75g  
 4-pin base

input capacitance = 7.5 uf max  
 output capacitance = 5.5 uf max  
 transfer capacitance = 16.5 uf max