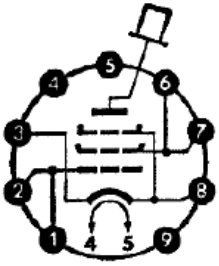


Type	Allgemeine Daten General data		Betriebswerte Typical operation			Grenzwerte Maximum ratings																																																																																																		
<p>EL 5000</p> <p>NF-Leistungspentode für Gegentaktverstärker, Breitband- und Kathodenverstärker, Horizontalablenkstufen in FS-Empfängern</p> <p>AF power pentode for push-pull amplifier wide band and cathodes amplifier, horizontal deflection stages in TV receivers</p> <p>Z LL To Sto Spk</p> 	<p>Magnoval</p> <p>Größe 50</p> <p>Outlines 50</p> <p>Stift · Pin</p> <p>1 g₁</p> <p>2 g₁</p> <p>3 k, g₃</p> <p>4 f</p> <p>5 f</p> <p>6 g₂</p> <p>7 g₂</p> <p>8 k, g₃</p> <p>9 —</p> <p>Kappe a</p> <p>Cap a</p>	<p>$U_f = 6,3 V \pm 5\%$</p> <p>$I_f = 1,22 A$</p> <p>indirekt geheizt indir. heated</p> <hr/> <p>$U_a = 200 V$</p> <p>$U_{g2} = 200 V$</p> <p>$R_k = 430 \Omega$</p> <p>$I_a = 60 mA$</p> <p>$I_{g2} = 1,5 mA$</p> <p>$S = 9,3 mA/V$</p> <p>$\mu_{g2/g1} = 5$</p> <p>$R_i = 13 k\Omega$</p> <p>$-I_{g1} \leq 1 \mu A$</p>	<p>2 Röhren in Gegentakt-B-Betrieb 2 tubes push-pull, class B</p> <table border="0"> <tr> <td>U_a</td> <td>=</td> <td>300</td> <td>V</td> <td></td> </tr> <tr> <td>U_{g2}</td> <td>=</td> <td>200</td> <td>V</td> <td></td> </tr> <tr> <td>U_{g1}</td> <td>=</td> <td>-35</td> <td>V</td> <td></td> </tr> <tr> <td>R_{aa}</td> <td>=</td> <td>2,4</td> <td>kΩ</td> <td></td> </tr> <tr> <td>$U_{g1\text{eff}}$</td> <td>=</td> <td>0</td> <td>18</td> <td>V</td> </tr> <tr> <td>I_a</td> <td>=</td> <td>2×35</td> <td>2×120</td> <td>mA</td> </tr> <tr> <td>I_{g2}</td> <td>=</td> <td>2×0,55</td> <td>2×15</td> <td>mA</td> </tr> <tr> <td>N</td> <td>=</td> <td></td> <td>40</td> <td>W</td> </tr> <tr> <td>k</td> <td>=</td> <td></td> <td>5</td> <td>%</td> </tr> </table> <p>1) Als Endröhre für die horizontale Ablenkung max. 22% einer Periode, $t_{\text{max}} = 18 \mu s$. As power tube for horizontal deflection max. 22% per period.</p> <p>2) U_{g1} mittels $R_k \cdot U_{g1}$ by R_k</p> <p>3) U_{g1} fest · fixed grid bias</p>			U_a	=	300	V		U_{g2}	=	200	V		U_{g1}	=	-35	V		R_{aa}	=	2,4	k Ω		$U_{g1\text{eff}}$	=	0	18	V	I_a	=	2×35	2×120	mA	I_{g2}	=	2×0,55	2×15	mA	N	=		40	W	k	=		5	%	<p>Absolute Grenzwerte Absolute maximum ratings</p> <table border="0"> <tr> <td>U_{ao}</td> <td>=</td> <td>600</td> <td>V</td> </tr> <tr> <td>U_a</td> <td>=</td> <td>400</td> <td>V</td> </tr> <tr> <td>U_{asp}¹⁾</td> <td>=</td> <td>7</td> <td>kV</td> </tr> <tr> <td>N_a</td> <td>=</td> <td>20</td> <td>W</td> </tr> <tr> <td>U_{g20}</td> <td>=</td> <td>600</td> <td>V</td> </tr> <tr> <td>U_{g2}</td> <td>=</td> <td>400</td> <td>V</td> </tr> <tr> <td>N_{g2}</td> <td>=</td> <td>5</td> <td>W</td> </tr> <tr> <td>I_k</td> <td>=</td> <td>300</td> <td>mA</td> </tr> <tr> <td>R_{g1}²⁾</td> <td>=</td> <td>0,5</td> <td>MΩ</td> </tr> <tr> <td>R_{g1}³⁾</td> <td>=</td> <td>0,2</td> <td>MΩ</td> </tr> <tr> <td>$U_{f/k}$</td> <td>=</td> <td>±100</td> <td>V</td> </tr> <tr> <td>$R_{f/k}$</td> <td>=</td> <td>20</td> <td>kΩ</td> </tr> <tr> <td>t_{Kolben}</td> <td>=</td> <td>240</td> <td>°C</td> </tr> </table>		U_{ao}	=	600	V	U_a	=	400	V	U_{asp} ¹⁾	=	7	kV	N_a	=	20	W	U_{g20}	=	600	V	U_{g2}	=	400	V	N_{g2}	=	5	W	I_k	=	300	mA	R_{g1} ²⁾	=	0,5	M Ω	R_{g1} ³⁾	=	0,2	M Ω	$U_{f/k}$	=	±100	V	$R_{f/k}$	=	20	k Ω	t_{Kolben}	=	240	°C
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