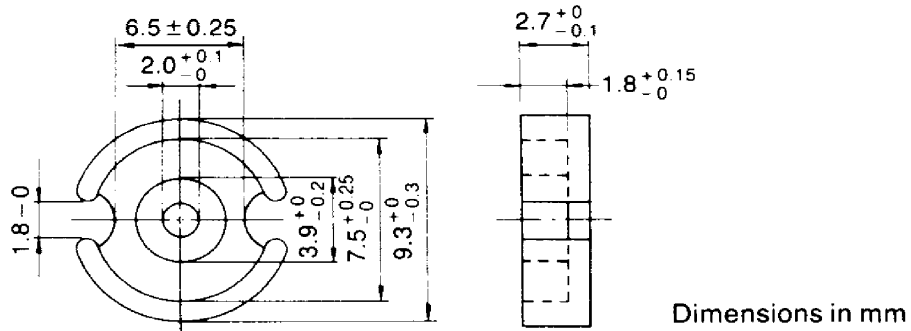


# TDK Pot Core P 9/5-52H

Based on IEC publication 133 and JIS C 2516.



## Parameter

<b>Core factor</b>	$C_1$	$\text{mm}^{-1}$	1.25
<b>Effective magnetic path length</b>	$l_e$	mm	12.4
<b>Effective cross-section area</b>	$A_e$	$\text{mm}^2$	10.0
<b>Effective volume</b>	$V_e$	$\text{mm}^3$	120
<b>Cross-sectional center pole area</b>	$A_{cp}$	$\text{mm}^2$	8.04
<b>Minimum cross-sectional area</b>	$A_{cp \text{ min.}}$	$\text{mm}^2$	7.29
<b>Cross-sectional winding area of core</b>	$A_{cw}$	$\text{mm}^2$	7.17
<b>Weight (approx.)</b>		g	0.8

Ordering code	AL-value (nH/N <sup>2</sup> )	Effective permeability ( $\mu_e$ )
	Tolerance	
<b>Without air gap</b>		
H5AP9/5Z-52H	$1570 \pm 25\%$	1562
H5C2P9/5Z-52H	$6030 \pm 30\%$	5998
PC40P9/5-Z	825 min.	821 min.
<b>With air gap</b>		
PC40P9/5A63-52H	63 $\pm 3\%$	63
PC40P9/5A100-52H	100 $\pm 3\%$	100
PC40P9/5A160-52H	160 $\pm 5\%$	160

Measuring conditions: Coil  $\phi 0.1$ , 2UEW, 70Ts (for H5C2 materials) 100Ts (for others). Frequency 1kHz, level 0.5mA.