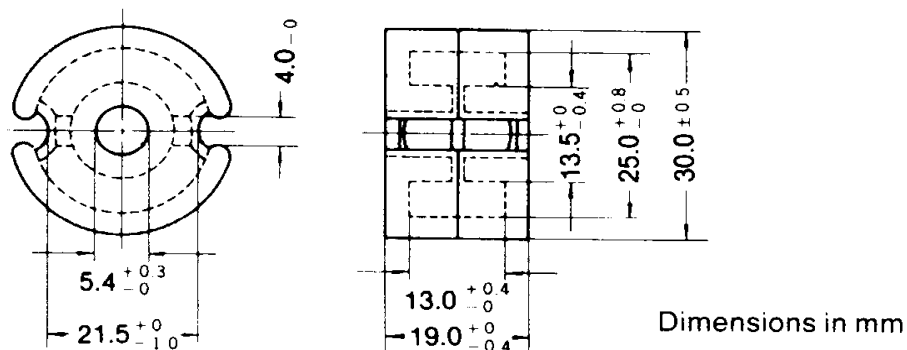


TDK Pot Core P 30/19-52H

Based on IEC publication 133 and JIS C 2516.



Parameter			
Core factor	C_1	mm ⁻¹	0.33
Effective magnetic path length	l_e	mm	45.2
Effective cross-section area	A_e	mm ²	137
Effective volume	V_e	mm ³	6190
Cross-sectional center pole area	A_{cp}	mm ²	115
Minimum cross-sectional area	$A_{cp \text{ min.}}$	mm ²	109
Cross-sectional winding area of core	A_{cw}	mm ²	79.9
Weight (approx.)		g	35.3

Ordering code	A_L -value (nH/N ²)	Effective permeability (μ_e)
	Tolerance	
Without air gap		
H5AP30/19Z-52H	9800 ± 25%	2573
H5C2P30/19Z-52H	32000 ± 30%	8400 (at 16.5 mT)
	25000 ⁺⁴⁰ / ₋₃₀ %	6563 *(at 0.5 mT)
PC40P30/19Z-52H	7300 ± 25%	1917 min.
With air gap		
PC40P30/19A250-52H	250	66
PC40P30/19A400-52H	400 ± 3%	105
PC40P30/19A630-52H	630	165.5

*Reference specification when 5 gauss are applied to cores.
Measuring conditions: Coil ϕ 0.40, 2UEW, 100Ts. Frequency 1kHz, level 0.5mA.