

TDK EP Cores EP10

Based on JIS C 2516.



Dimensions in mm

Parameter

Parameter	Symbol	Unit	Value
Core factor	C_1	mm ⁻¹	1.70
Effective magnetic path length	l_e	mm	19.2
Effective cross-section area	A_e	mm ²	11.3
Effective volume	V_e	mm ³	217
Cross-sectional center leg area	A_{cp}	mm ²	8.55
Minimum cross-sectional area	$A_{cp \text{ min.}}$	mm ²	7.79
Cross-sectional winding area of core	A_{cw}	mm ²	22.6
Weight (approx.)		g	2.8

Ordering Code	Al-Value (nH/N ²) min.	Effective Permeability (μ_e)
Without Air Gap		
H5AEP10-Z	1080	1461
H5C2EP10-Z	Non-Standard	4870
	Material in EP10	3360
H5C3EP10-Z	3850	5208
H5C4EP10-Z	New Material	3200
		3200
PC40EP10-Z	800	1082
PC50EP10-Z	800±25%	1082
With Air Gap		
PC40EP10A63	63±5%	76
PC40EP10A100	100±7%	121
PC50EP10A63	63±5%	85
PC50EP10A100	100±7%	121

Measuring Conditions: N=100T, Frequency=1KHz, Level=0.5mA
H5C3/H5C4:100T, 10KHz, 10mV