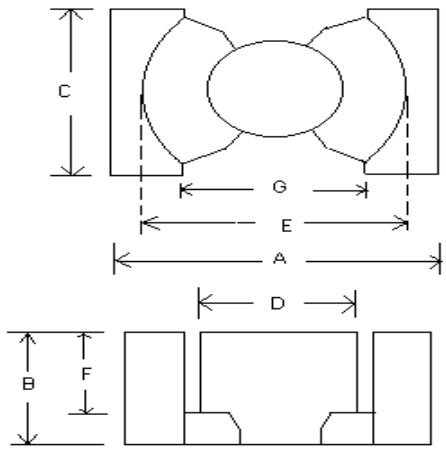


## Technical Data Sheet RoHS Compliant Product

### PQ40/40, No Gap Core, MnZn

#### Product Specifications:

Parameter		Symbol	Unit	Value	Geometry Drawing Reference
Magnetic Characteristics	Effective Length	$I_e$	mm	103.96	
	Effective Area	$A_e$	mm <sup>2</sup>	191.90	
	Effective Volume	$V_e$	mm <sup>3</sup>	19952.0	
Dimensions	A	-	mm	40.50 ±0.40	
	B	-	mm	20.10 ±0.40	
	C	-	mm	28.00 ±0.40	
	D	-	mm	14.90 ±0.30	
	E	-	mm	36.00 min	
	F	-	mm	14.95 ±0.40	
	G	-	mm	27.30 min	
	A - A'	-	mm	≤ 0.40	
Appx. Weight/Set	Weight	<b>W</b>	gm	95	

**Appearance & Shape:** To be free from any defect such as flow, burrs, unevenness etc. as per IEC 63093 - 8

**Inspection Criteria:** IEC 60424, Guide on the limits of Surface Irregularities

**Mechanical Strength:** IEC 61631 Compliant

**Compliant:** RoHS & REACH

**Test Conditions:** 1 kHz/300 mV, Coil - N=100 Turns, 25°C

**Power Loss Conditions:** 100 kHz, 100 mT, 100°C

Material Grade	Initial Permeability ( $\mu_i$ )	AL Value (nH/Set)	PV (W/Set)
SFP4	2300 ±25%	4300 +30%/-20%	≤ 1.80
SFP95	3300 ±25%	5500 +30/-20%	≤ 1.75
SFA05	5000 ±25%		
SFA07	7000 ±25%		
SFA10	10000 ±30%		
SFA12	12000 ±30%		

Other AL values/air gaps and materials available on request