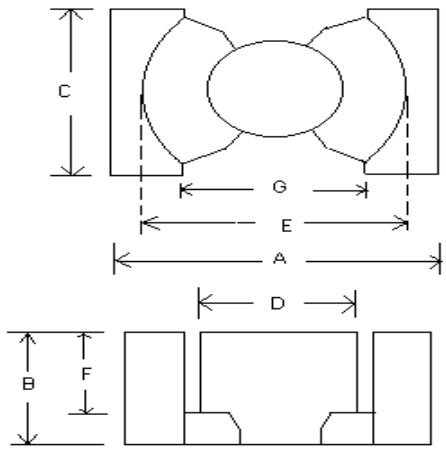


## Technical Data Sheet RoHS Compliant Product

### PQ27/16, No Gap Core, MnZn

#### Product Specifications:

Parameter		Symbol	Unit	Value	Geometry Drawing Reference
Magnetic Characteristics	Effective Length	$I_e$	mm	46.13	
	Effective Area	$A_e$	mm <sup>2</sup>	111.67	
	Effective Volume	$V_e$	mm <sup>3</sup>	5196.50	
Dimensions	A	-	mm	27.0 ±0.40	
	B	-	mm	8.10 ±0.30	
	C	-	mm	19.0 ±0.30	
	D	-	mm	12.0 ±0.25	
	E	-	mm	22.20 min	
	F	-	mm	5.0 ±0.30	
	G	-	mm	16.50 min	
A - A'	-	mm	≤ 0.30		
Appx. Weight/Set	Weight	<b>W</b>	gm		

**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, 200 mT, 100°C

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

Other AL values/air gaps and materials available on request