BPED Series



Low profile high Bs sintered alloy material core design obtain high saturation current. No thermal aging and good weather resistance that meet the datacenter requirements.

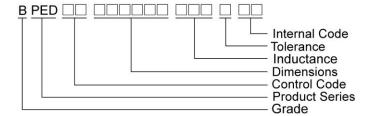
Features

- RoHS, Halogen Free and REACH Compliance
- Low profile
- No thermal aging
- High current saturation no temperature dependency

Applications

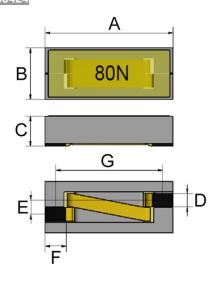
- Data center V-core
- Server V-core
- FPGA, VGA GPU V-core

Product Identification

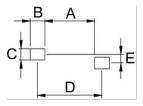


Shape and Dimensions

BPED00100424



Recommended Pattern



Dimensions in mm

ТҮРЕ	Shape and Dimensions								Recommended Pattern					
	Α	В	С	D	E	F	G	Α	В	С	D	E		
BPED00100424	10±0.2	3.8±0.2	2.4Max	1.0	1.05	1.65	8.35	6.45	1.9	1.4	8.35	1.05		



SMD Shielded Power Inductors - BPED Series

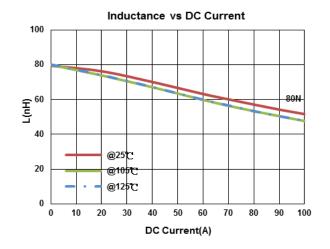
Standard Specifications

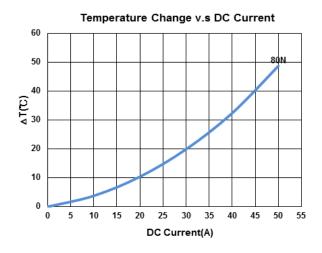
Part Number	Inductance	Tolerance	Test Frequency	RDC	(A)	Гур	Irms	Marking	
	(nH)	(±%)	(kHz)	(mΩ)±10%	Isat 1	Isat 2	(А)Тур		
BPED0010042480N□2E	80	10,15,20	100	1.1	80	80	33	80N	

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, L=±15%, M=±20%

- Operating temperature range 40°C ~ 155°C(Including self temperature rise)
- Isat 1 : Based on inductance change ($\Delta L/Lo$: drop 30% Typ) @ ambient temp. 25 $^{\circ}$ C
- Isat 2 : Based on inductance change ($\Delta L/Lo$: drop 30% Typ) @ ambient temp. 125 $^{\circ}$ C
- Irms: Based on temperature rise (△T: 40°C Typ)
- Rated DC Current: The less value which is Isat 1 or Irms

Test Instruments:





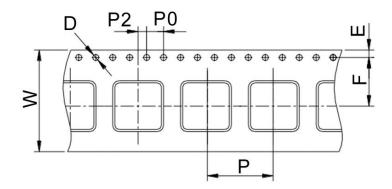




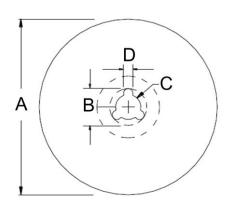
SMD Shielded Power Inductors – BPED Series

Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity
	w	D	E	F	Р	P0	P2	Α	В	С	D	PCS / Reel
BPED00100424	24	1.5	1.75	11.5	12	4	2	330	20	13	2	1000