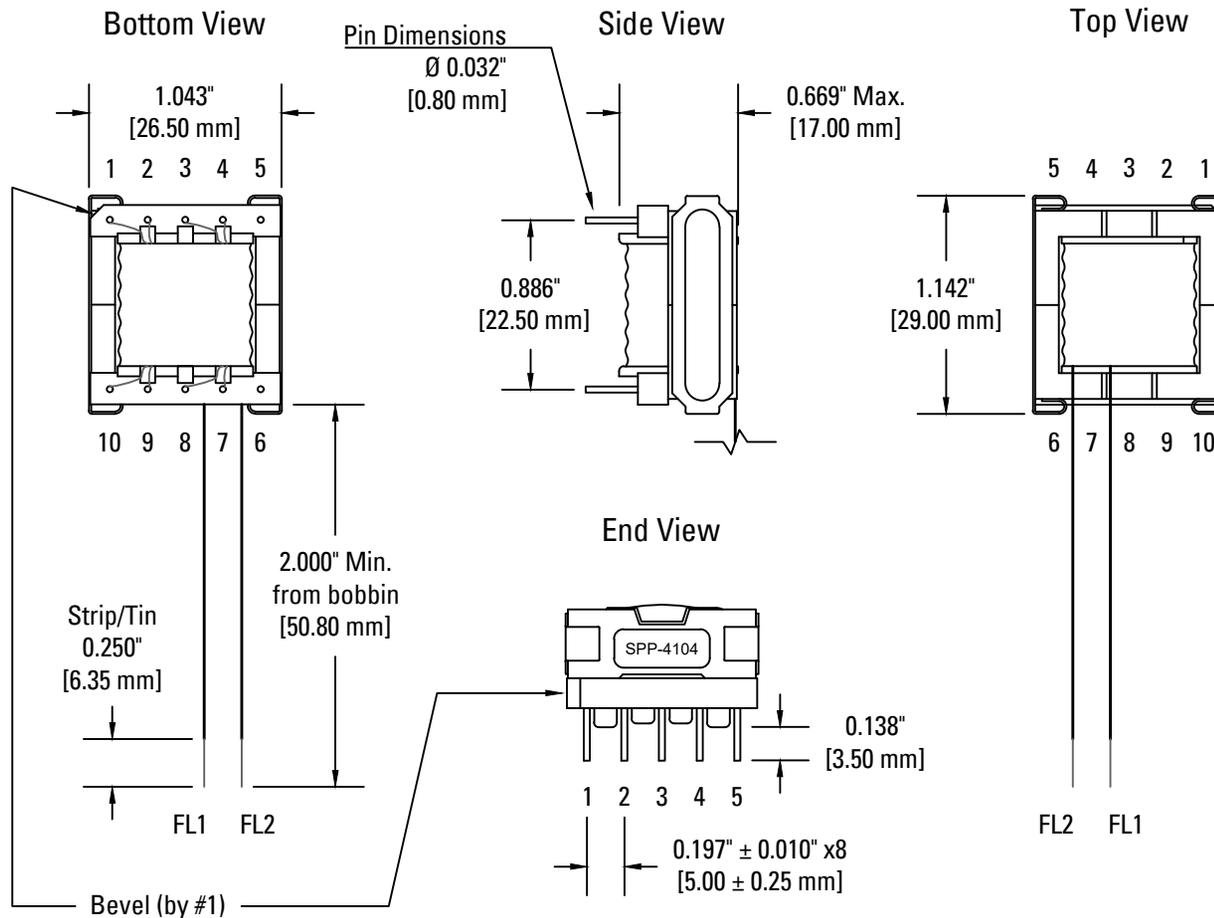


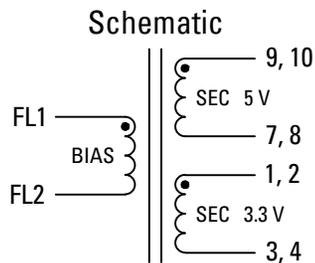
Prem's **SPP-4104** is a through-hole, PCB-mounting, coupled dual-output inductor designed to be used alongside Prem's **SPP-4103**. It is suitable for use with a Power Integrations DPA425R integrated chip in a 50 W DC-to-DC forward converter application.

- High efficiency of approx. 90% at 36 VDC with a 300 kHz switching frequency (application specific) using simple self-driven synchronous rectification
- UL 94V-0-rated bobbin
- RoHS compliant

**SPP-4104**  
**Data Sheet**



**All dimensions for reference only, unless otherwise specified.**



Dual output coupled inductor for use in conjunction with Prem's **SPP-4103** in a Power Integrations DPA425R integrated chip application.

Dual Output: 5 V @ 6 A  
3.3 V @ 6 A

• Dots indicate like polarity

**ELECTRICAL SPECIFICATIONS**

DCR (FL1 - FL2)	400 mΩ Max.
DCR (9, 10 - 7, 8)	5.0 mΩ Max.
DCR (1, 2 - 3, 4)	4.0 mΩ Max.
Bias Inductance (FL1 - FL2) @ 0.4 V, 300 kHz	31.4 μH ± 10%
Secondary Inductance (9 & 10) to (7 & 8) @ 0.4 V, 300 kHz	7.8 μH ± 10%
Secondary Inductance (1 & 2) to (3 & 4) @ 0.4 V, 300 kHz	3.5 μH ± 10%
Dielectric Strength (Secondary to Secondary & Core)	1500 VDC (1 second)

10/17/19 | -2 | Updated data sheet fmt.; updated pin height & dia. dim.; added bias & other secondary inductances; corrected secondary DCR notation | AG

7/14/10 | -1 | Changed length dimension from 1.07" to 1.043" | TJK

DATE | ISS. | REVISION | BY

Designed by: TJK 2/23/10  
 Drawn by: AG 9/23/19  
 Checked by: DB & TJK  
 Drawing rev.: A-SPP-4104-2



3521 N Chapel Hill Rd  
 Johnsburg, IL 60051  
[www.premmagnetics.com](http://www.premmagnetics.com)