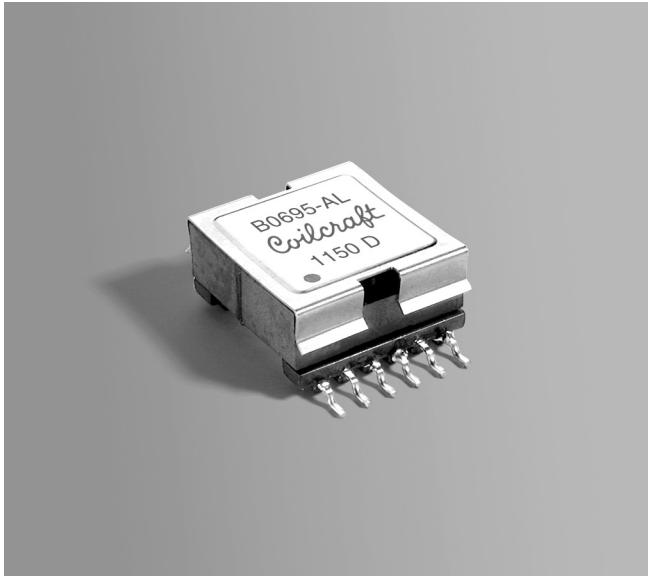




# Flyback Transformer

For National Semiconductor  
LM5020 PWM Controller



Part number <sup>1</sup>	L at 0 A <sup>2</sup> ±10% (μH)	L at Ipk <sup>3</sup> ±10% (μH)	DCR max (Ohms) <sup>4</sup>		
			pri	aux	sec
B0695-AL	110	99.0	0.133	0.656	0.019

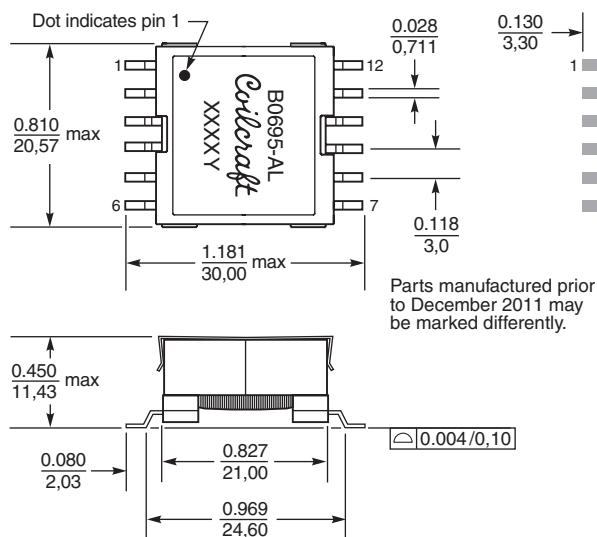
1. When ordering, please specify a **packaging** code:

**B0695-ALD**

**Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (175 per full reel).

B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

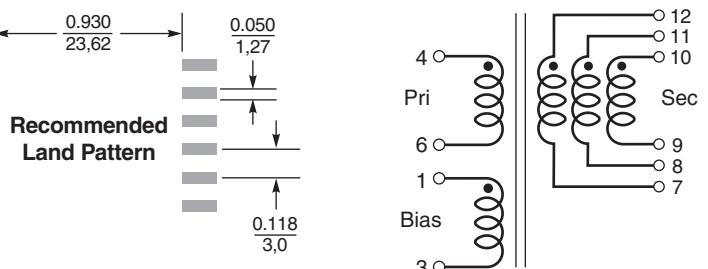
2. Inductance is for the primary, measured at 10 kHz, 0.1 Vrms, 0 Adc.  
3. Ipk is the peak current drawn at minimum input voltage.



Leakage L (μH) <sup>5</sup>	Turns ratio <sup>6</sup>		Capacitance <sup>7</sup> (pF)	Ipk <sup>3</sup> (A)	Isolation <sup>8</sup> (Vrms)
	pri : sec	pri : bias			
1.11	1 : 0.23	1 : 0.69	110	1.5	1500

4. DCR for the secondary is per winding.
5. Leakage inductance measured between pins 4 and 6 with all other pins shorted.
6. Turns ratio is with the secondary windings connected in parallel.
7. Capacitance measured between pins 3 and 4 with other pins shorted.
8. Isolation is measured from the primary and bias to the secondary.

9. Electrical specifications at 25°C.  
Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Dimensions are in inches  
mm

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