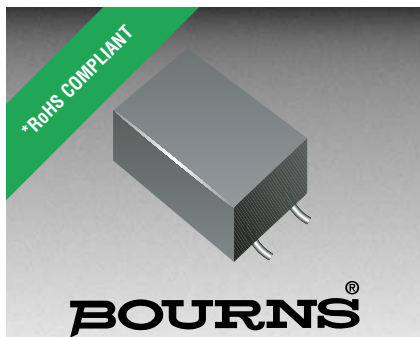




Features

- Small surface mount component
- High quality toroidal core
- Unit height of 5.2mm max.
- Supplied in 16 mm conductive polystyrene tape (SM73818AE)
- Recommended for reflow solder processing

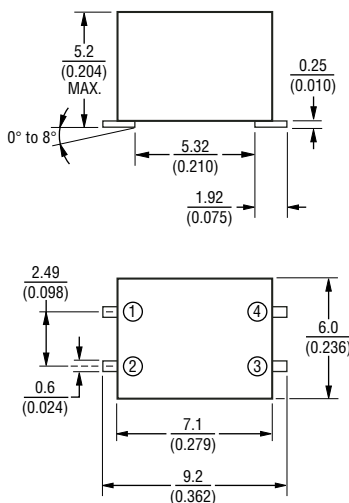
 Model SM73818AE is currently available, although not recommended for new designs. Use [Model DR331](#).

SM73818AE- Dual Inductor

Electrical Specifications (@ 25°C)

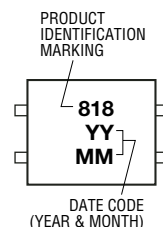
Ls (1-4).....51μH ± 30% @ 100KHz
 0.1mA
 Le (1-4)2μH Max @ 100KHz
 0.1mA [short (2-3)]
 Turns Ratio1:1 ±2%
 Polarity.....1,2@same phase
 Hipot.....250VDC between windings
 for 1 second
 DCR (1-4)0.3 ohms max.
 DCR (2-3)0.3 ohms max.
 DCR typical0.1 Ω
 Operating Temperature-40 to +135°C
 Storage Temperature-40 to +135°C
 Rated Current.....100mA DC @ +125°C
 Rated Voltage.....80VDC / 42VAC
 LCP Thermal PlasticUL 94V-0
 TerminalCu/Ni/Sn
 Weight0.2g
 Packaging.....1500 pcs. per 330mm reel

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$ TOLERANCE: $\pm \frac{0.25}{(0.010)}$

Typical Part Marking

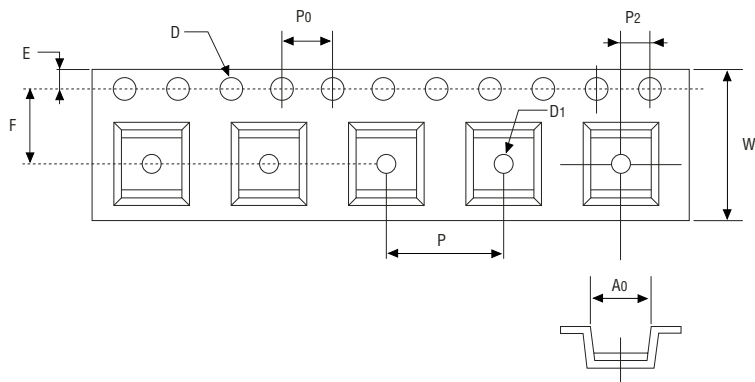


Schematic



Packaging Dimensions

Model	W	P	E	F	D	D1	P0	P2	A0	B0	K0	t
SM73818AE	$\frac{16.00}{(.630)}$	$\frac{8.00}{(.315)}$	$\frac{1.75}{(.069)}$	$\frac{7.50}{(.296)}$	$\frac{1.55}{(.061)}$	$\frac{1.50}{(.059)}$	$\frac{4.00}{(.158)}$	$\frac{2.00}{(.079)}$	$\frac{6.22}{(.245)}$	$\frac{9.60}{(.378)}$	$\frac{5.50}{(.216)}$	$\frac{0.40}{(.015)}$



REV. 10/05

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.