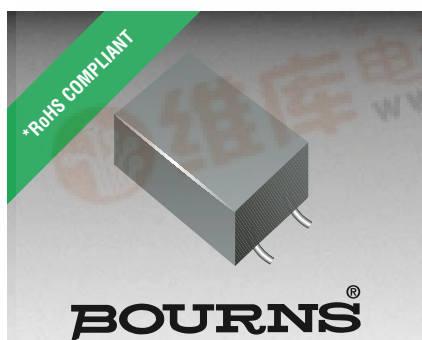




Features

- 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



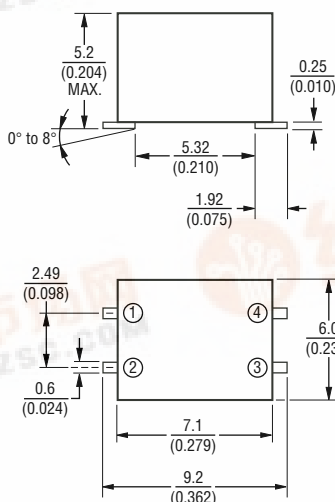
 ModelSM73818AE is currently available, although not recommended for new designs. Use [Model DR331](#).

SM73818AE- Dual Inductor

Electrical Specifications (@ 25°C)

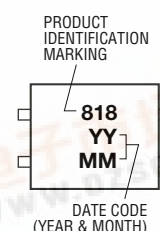
Ls (1-4).....	51μH ± 30% @ 100KHz
	0.1mA
Le (1-4)	2μH Max @ 100KHz
	0.1mA [short (2-3)]
Turns Ratio	1:1 ±2%
Polarity.....	1,2@same phase
Hipot.....	250VDC between windings
	for 1 second
DCR (1-4)	0.3 ohms max.
DCR (2-3)	0.3 ohms max.
DCR typical	0.1 Ω
Operating Temperature	-40 to +135°C
Storage Temperature	-40 to +135°C
Rated Current.....	100mA DC @ +125°C
Rated Voltage.....	80VDC / 42VAC
LCP Thermal Plastic	UL 94V-0
Terminal	Cu/Ni/Sn
Weight	0.2g
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	D ₁	P ₀	P ₂	A ₀	B ₀	K ₀	t
SM73818AE	16.00	8.00	1.75	7.50	1.55	1.50	4.00	2.00	6.22	9.60	5.50	0.40
	(.630)	(.315)	(.069)	(.296)	(.061)	(.059)	(.158)	(.079)	(.245)	(.378)	(.216)	(.015)

