

Power Inductor – RA7338-AE For Microchip 1600W Bus Balancer Reference Design



Part number	Inductance (µH) ¹		DCR (mOhms) ²		SRF	Isat (A) ³			Irms (A) ⁴	
	min	max	typ	max	(MHz)	10% drop	20% drop	30% drop	20°C rise	40°C rise
RA7338-AE	17.6	24.2	0.68	0.75	9.25	19	22	24	34.0	44.5

1. Inductance tested at 100 kHz, 0.1 Vrms on Agilent/HP 4192A.

2. DCR measured on a Keithley 580 micro-ohmmeter or equivalent.

3. DC current at 25°C that causes an inductance drop of 30% (typ) from its value without current. Click for temperature derating information.

4. Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings. <u>Click for temperature derating information</u>.

5. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



 US
 +1-847-639-6400
 sales@coilcraft.com

 UK
 +44-1236-730595
 sales@coilcraft-europe.com

 Taiwan
 +886-2-2264
 3646
 sales@coilcraft.com.tw

 China
 +886-21-6218
 8074
 sales@coilcraft.com.cn

 Singapore
 + 65-6484
 8412
 sales@coilcraft.com.sg

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 US
 +1-847-639-6400
 sales@coilcraft.com

 UK
 +44-1236-730595
 sales@coilcraft-europe.com

 Taiwan
 +886-2-2264
 3646
 sales@coilcraft.com.tw

 China
 +886-21-6218
 8074
 sales@coilcraft.com.cn

 Singapore
 + 65-6484
 8412
 sales@coilcraft.com.sg

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