

XFEB201209 Series

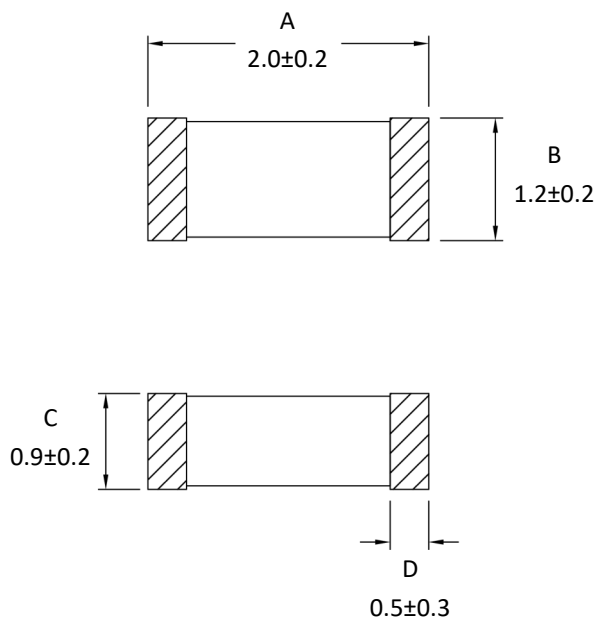
Ferrite Bead

- Excellent performance in high-frequency applications
- Standard 0805(2012 metric) size
- Excellent solderability
- RoHS compliant component

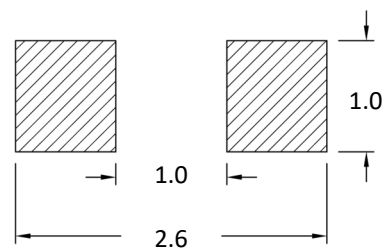


Weight: 0.0008 grams

Mechanical Dimensions



Suggested Pad Layout



(dimensions in mm)

Electrical Characteristics

Part Number	Impedance ¹		DCR Max Ω	Rated Current mA
	Ω	Tol $\pm$		
XFEB201209-050-2.2A	5	25%	0.040	2200
XFEB201209-070-0.6A	7	25%	0.150	600
XFEB201209-070-2.2A	7	25%	0.040	2200
XFEB201209-070-3A	7	25%	0.030	3000
XFEB201209-070-6A	7	25%	0.010	6000
XFEB201209-100-0.6A	10	25%	0.150	600
XFEB201209-101-3A	100	25%	0.040	3000
XFEB201209-102-0.2A	1000	25%	0.450	200
XFEB201209-102-1.5A	1000	25%	0.120	1500
XFEB201209-102-1A	1000	25%	0.250	1000
XFEB201209-110-0.6A	11	25%	0.150	600
XFEB201209-110-6A	11	25%	0.010	6000
XFEB201209-120-0.3A	120	25%	0.250	300
XFEB201209-121-0.2A	120	25%	0.250	200
XFEB201209-121-0.3A	120	25%	0.250	300
XFEB201209-121-3A	120	25%	0.040	3000
XFEB201209-121-6A	120	25%	0.020	6000
XFEB201209-150-3A	15	25%	0.025	3000
XFEB201209-151-3A	150	25%	0.060	3000
XFEB201209-152-0.2A	1500	25%	0.450	200
XFEB201209-170-3A	17	25%	0.025	3000
XFEB201209-181-2A	180	25%	0.100	2000

Electrical Characteristics

Part Number	Impedance ¹		DCR Max Ω	Rated Current mA
	Ω	Tol $\pm$		
XFEB201209-200-6A	20	25%	0.010	6000
XFEB201209-202-0.2A	2000	25%	0.600	200
XFEB201209-221-0.2A	220	25%	0.300	200
XFEB201209-221-1.5A	220	25%	0.100	1500
XFEB201209-221-2A	220	25%	0.050	2000
XFEB201209-221-3A	220	25%	0.040	3000
XFEB201209-222-0.2A	2200	25%	0.600	200
XFEB201209-252-0.2A	2500	25%	0.600	200
XFEB201209-260-5A	260	25%	0.020	5000
XFEB201209-272-0.2A	2700	25%	0.800	200
XFEB201209-300-0.4A	30	25%	0.150	400
XFEB201209-300-3A	30	25%	0.015	3000
XFEB201209-300-6A	300	25%	0.010	6000
XFEB201209-301-0.2A	300	25%	0.300	200
XFEB201209-301-2A	300	25%	0.100	2000
XFEB201209-301-3A	300	25%	0.040	3000
XFEB201209-310-6A	31	25%	0.010	6000
XFEB201209-400-4A	40	25%	0.030	4000
XFEB201209-470-1A	47	25%	0.100	1000
XFEB201209-471-2A	470	25%	0.200	2000
XFEB201209-600-0.3A	60	25%	0.150	300
XFEB201209-600-2A	600	25%	0.150	2000

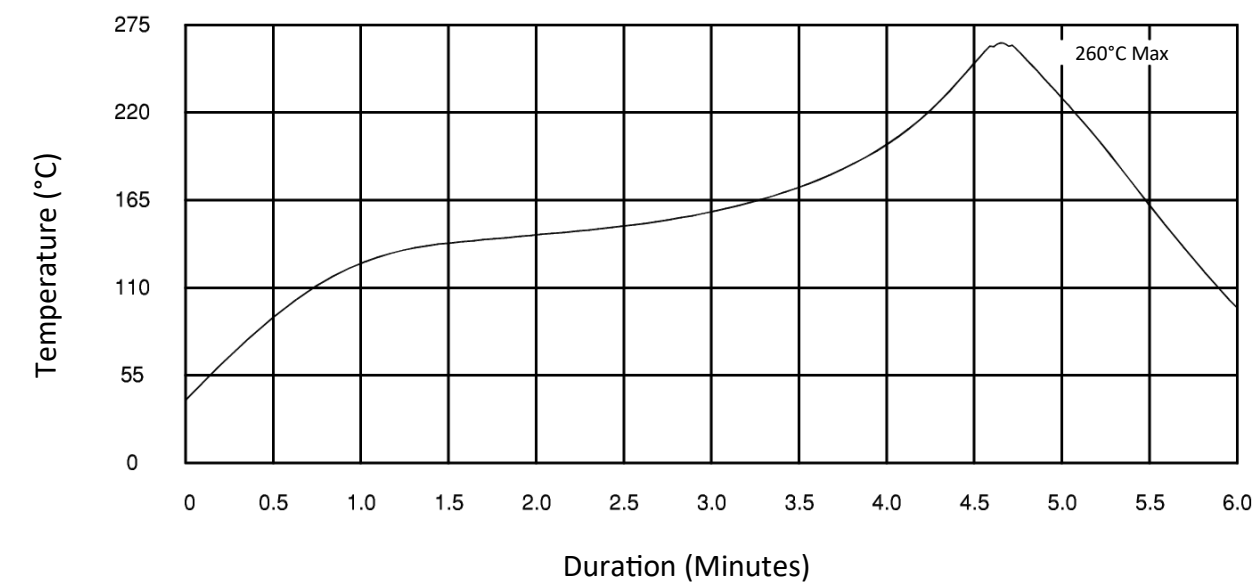
Electrical Characteristics (cont.)

Part Number	Impedance ¹		DCR Max Ω	Rated Current mA
	Ω	Tol $\pm$		
XFEB201209-600-3A	60	25%	0.030	3000
XFEB201209-600-4A	60	25%	0.030	4000
XFEB201209-601-0.2A	600	25%	0.350	200
XFEB201209-601-2A	600	25%	0.100	2000
XFEB201209-700-3A	70	25%	0.040	3000
XFEB201209-800-0.3A	80	25%	0.150	300
XFEB201209-800-3A	80	25%	0.030	3000
XFEB201209-800-6A	80	25%	0.020	6000

Notes:

1. Impedance tested at 100MHz, 0.1V
2. All electrical specifications tested at 25°C
3. Solderability: Leads shall meet MIL-STD-202, Method 208D for solderability
4. Flammability: UL94V-0
5. ASTM Oxygen Index: > 28%
6. Insulation System: Class F 155°C. UL File E151556
7. Operating Temperature: -55°C to +125°C
8. Storage Temperature: -55°C to +125°C
9. Aqueous wash compatible
10. SMD Lead Coplanarity: ± 0.004 " (0.102mm)
11. Electrical and mechanical specifications 100% tested
12. RoHS Compliant Component
13. Recommended IR reflow peak temperature of 260°C

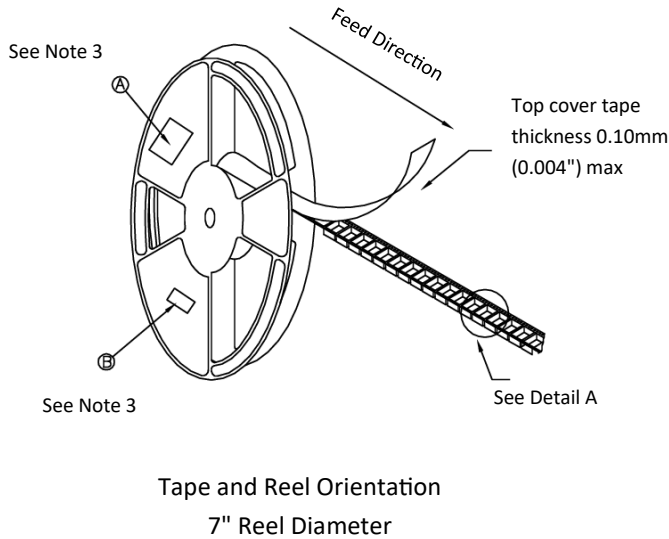
Recommended IR Reflow Profile



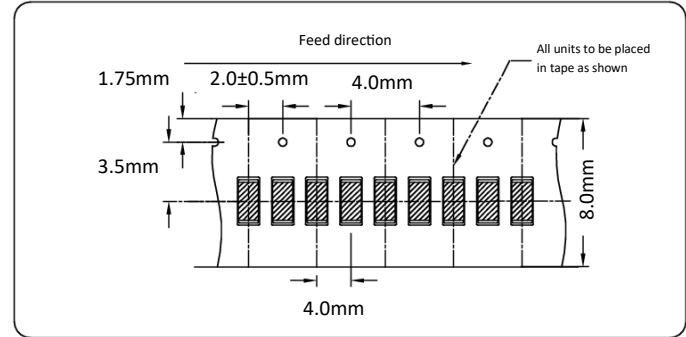
Notes:

- Maximum duration at 260°C +0/-5° with 10 seconds max
- Maximum duration above 217°C shall be 60-150 seconds
- All temperatures refer to topside of the package, measured on the package body surface

Packaging



DETAIL A



Notes:

1. Process in accordance with EIA-481-2 standards
 - Tape leader dimension 15.30" minimum
 - Tape trailer dimension 6.30" minimum
2. Parts should be packaged in accordance with ESD guidelines in EIA-541
3. Reel Label: 'A' * Part Number
 - * Quantity
 - * Date Code
 - 'B' * Anti-static caution label
4. 4000 pcs per 7" reel

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XFMRS

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