

XFEB160808 Series

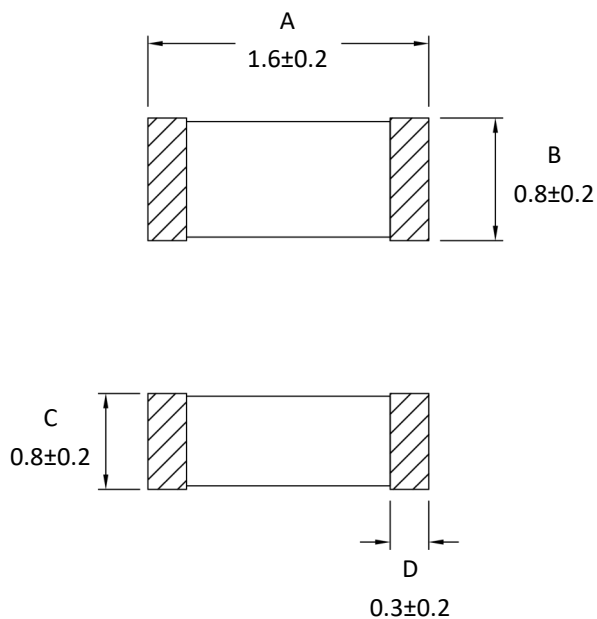
Ferrite Bead

- Excellent performance in high-frequency applications
- Standard 0603 (1608 metric) size
- Excellent solderability
- RoHS compliant component

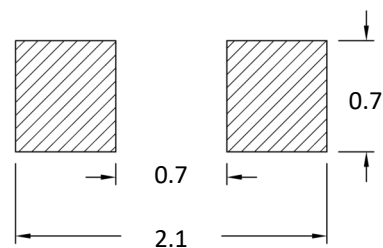


Weight: 0.0056 grams

Mechanical Dimensions



Suggested Pad Layout



(dimensions in mm)

Electrical Characteristics

Part Number	Impedance ¹		DCR Max Ω	Rated Current mA
	Ω	Tol $\pm$		
XFEB160808-050-1A	5	25%	0.10	1000
XFEB160808-100-0.4A	10	25%	0.20	400
XFEB160808-100-0.5A	10	25%	0.25	500
XFEB160808-100-2A	10	25%	0.06	2000
XFEB160808-110-3A	11	25%	0.03	3000
XFEB160808-190-3A	19	25%	0.03	3000
XFEB160808-200-3A	20	25%	0.03	3000
XFEB160808-220-3A	22	25%	0.03	3000
XFEB160808-250-3A	25	25%	0.03	3000
XFEB160808-270-4A	27	25%	0.03	4000
XFEB160808-280-3A	28	25%	0.03	3000
XFEB160808-300-0.4A	30	25%	0.20	400
XFEB160808-300-0.5A	30	25%	0.25	500
XFEB160808-300-0.8A	30	25%	0.20	800
XFEB160808-300-1A	30	25%	0.15	1000
XFEB160808-300-3A	30	25%	0.03	3000
XFEB160808-310-0.8A	31	25%	0.08	800
XFEB160808-400-3A	40	25%	0.03	3000
XFEB160808-470-0.3A	47	25%	0.20	300
XFEB160808-470-3A	47	25%	0.05	3000
XFEB160808-500-3A	50	25%	0.04	3000
XFEB160808-600-0.3A	60	25%	0.10	300
XFEB160808-600-2A	60	25%	0.04	2000
XFEB160808-600-3A	60	25%	0.04	3000
XFEB160808-680-3A	68	25%	0.04	3000
XFEB160808-750-0.2A	75	25%	0.30	200

Electrical Characteristics (cont.)

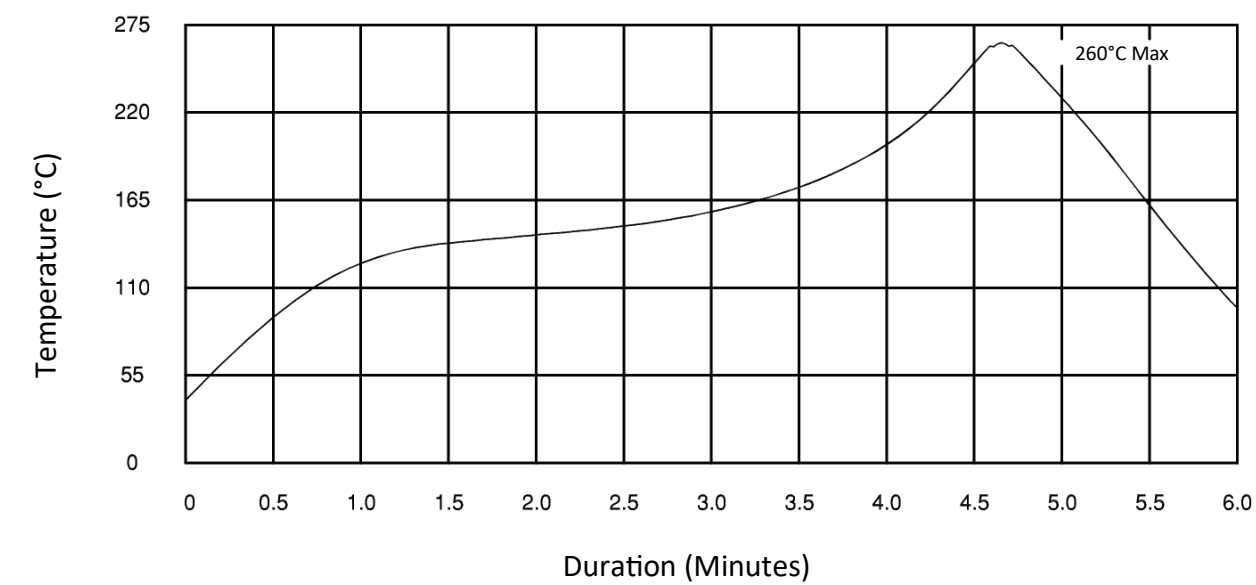
Part Number	Impedance ¹		DCR Max Ω	Rated Current mA
	Ω	Tol $\pm$		
XFEB160808-750-0.3A	75	25%	0.20	300
XFEB160808-800-0.3A	80	25%	0.20	300
XFEB160808-800-2.5A	80	25%	0.04	2500
XFEB160808-101-1A	100	25%	0.20	1000
XFEB160808-101-2A	100	25%	0.10	2000
XFEB160808-101-2.5A	100	25%	0.10	2500
XFEB160808-121-0.2A	120	25%	0.20	200
XFEB160808-121-2.5A	120	25%	0.10	2500
XFEB160808-151-2A	150	25%	0.08	2000
XFEB160808-151-2.5A	150	25%	0.08	2500
XFEB160808-181-2A	180	25%	0.15	2000
XFEB160808-221-0.2A	220	25%	0.20	200
XFEB160808-221-2A	220	25%	0.15	2000
XFEB160808-301-0.2A	300	25%	0.35	200
XFEB160808-301-2A	300	25%	0.15	2000
XFEB160808-471-0.2A	470	25%	0.45	200
XFEB160808-471-1A	470	25%	0.20	1000
XFEB160808-541-0.2A	540	25%	0.30	200
XFEB160808-601-0.2A	600	25%	0.45	200
XFEB160808-601-1A	600	25%	0.20	1000
XFEB160808-102-0.1A	1000	25%	0.60	100
XFEB160808-152-0.05A	1500	25%	0.70	50
XFEB160808-202-0.05A	2000	25%	0.80	50
XFEB160808-252-0.05A	2500	25%	1.00	50
XFEB160808-272-0.05A	2700	25%	1.20	50

Electrical Characteristics (cont.)

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: $\pm 0.004"$ (0.102mm)
11. Electrical and mechanical specifications 100% tested
12. RoHS Compliant Component
13. Recommended IR reflow peak temperature of 260°C

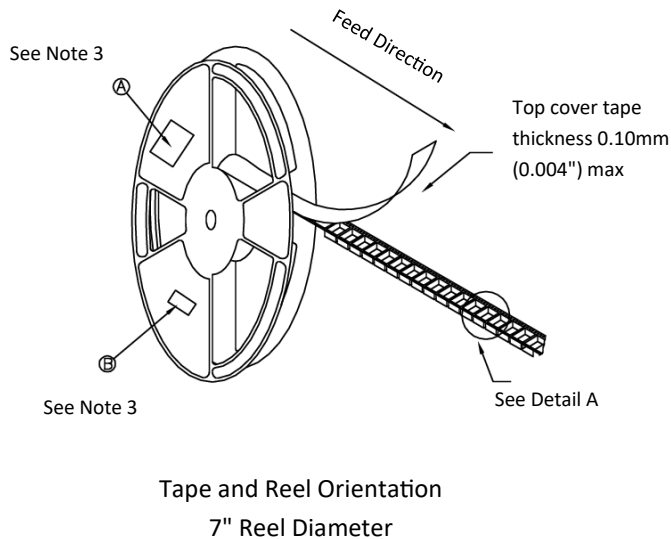
Recommended IR Reflow Profile



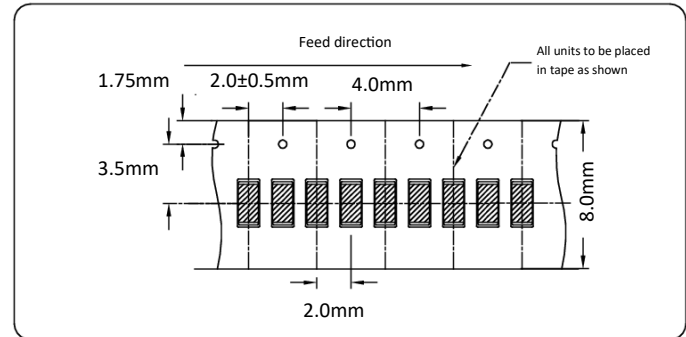
Notes:

- 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. 10,000 pcs per 7" reel