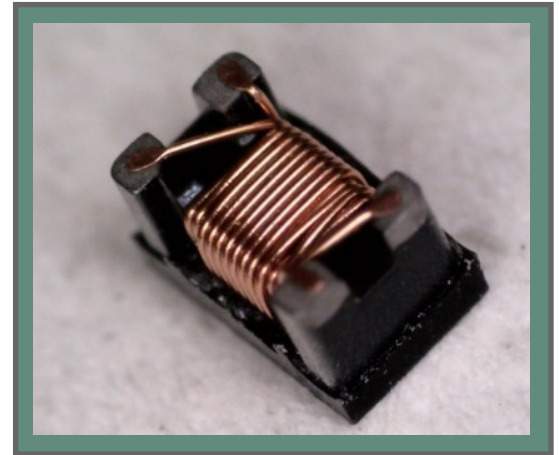




XFWIDL2015E Series

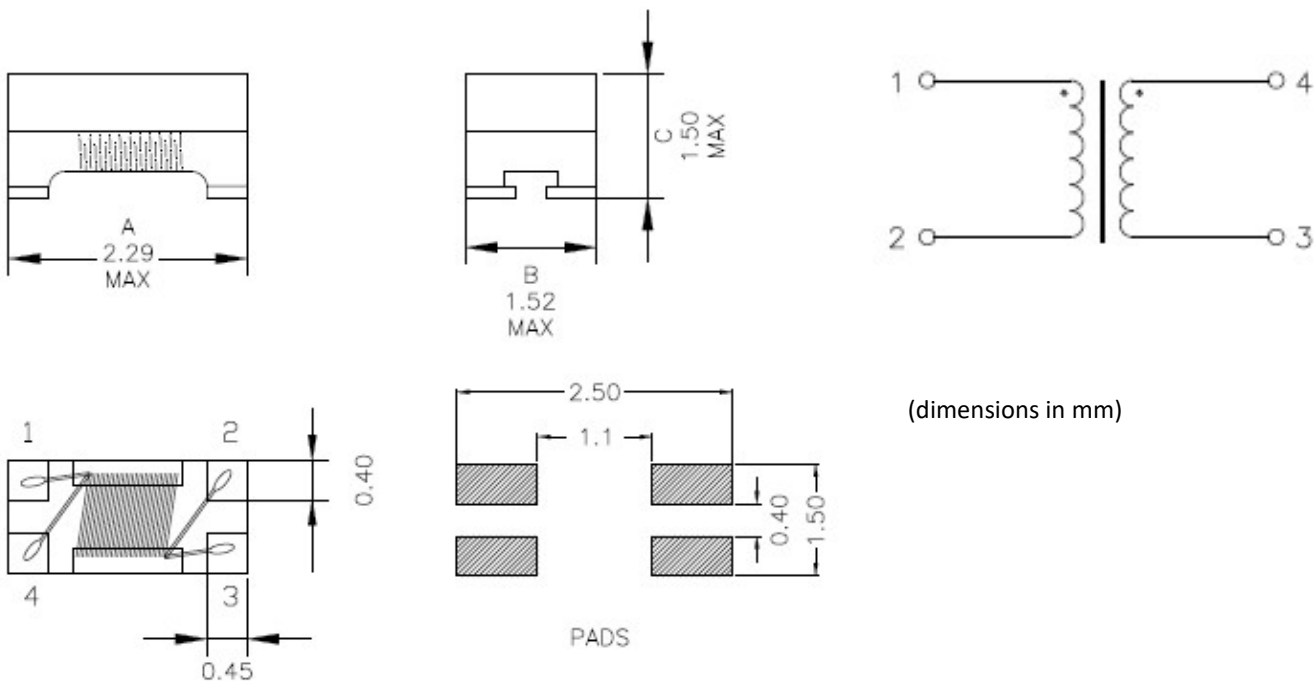
Coupled Inductor

- Inherently shielded design
- Compact coupled inductor
- Great for flyback, buck, SEPIC designs, and more!
- Custom values available upon request
- Excellent solderability
- RoHS compliant component



Weight: 0.0230 grams

Mechanical Dimensions



(dimensions in mm)

Electrical Characteristics

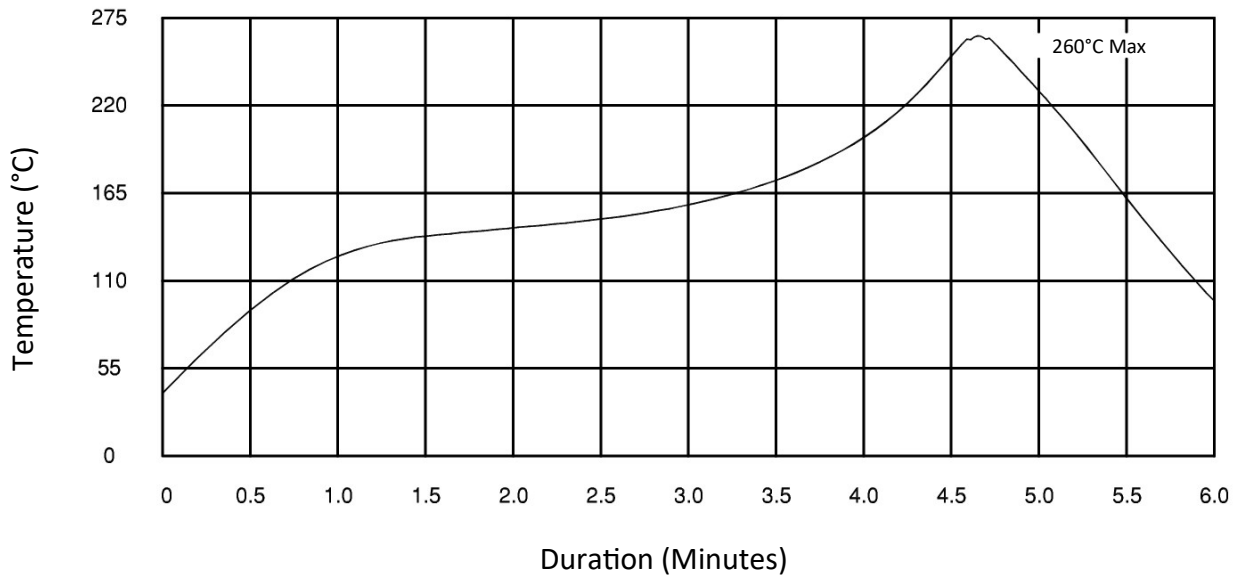
Part Number	Inductance ¹		DCR Max Ω	SRF MHz	Coupling Coefficient (Typ)	Leakage Inductance (μ H—Typ)	Isat (A) ² Typ	Irms (A) One Wdg
	μ H	Tol \pm						
XFWIDL2015E-1R0M	1.00	20%	0.165	380	0.97	0.065	1.30	1.130
XFWIDL2015E-1R2M	1.20	20%	0.175	310	0.97	0.071	1.20	1.060
XFWIDL2015E-1R8M	1.80	20%	0.294	265	0.97	0.110	1.00	0.690
XFWIDL2015E-2R7M	2.70	20%	0.477	220	0.97	0.162	0.88	0.580
XFWIDL2015E-3R3M	3.30	20%	0.670	180	0.97	0.200	0.77	0.525
XFWIDL2015E-4R7M	4.70	20%	1.000	160	0.97	0.285	0.60	0.370
XFWIDL2015E-6R8M	6.80	20%	1.750	130	0.97	0.415	0.47	0.265
XFWIDL2015E-8R2M	8.20	20%	2.500	120	0.97	0.500	0.42	0.210
XFWIDL2015E-100M	10.0	20%	3.400	110	0.97	0.590	0.37	0.185

Electrical Characteristics (cont.)

Notes:

1. Inductance tested at 100kHz, 0.1V, each winding
2. Isat is inductance drop 30% based on both windings
3. All electrical specifications tested at 25°C
4. Solderability: Leads shall meet MIL-STD-202, Method 208D for solderability
5. Flammability: UL94V-0
6. ASTM Oxygen Index: > 28%
7. Insulation System: Class F 155°C. UL File E151556
8. Operating Temperature: -55°C to +125°C
9. Storage Temperature: -55°C to +125°C
10. Aqueous wash compatible
11. SMD Lead Coplanarity: ± 0.004 " (0.102mm)
12. Electrical and mechanical specifications 100% tested
13. RoHS Compliant Component

Recommended IR Reflow Profile



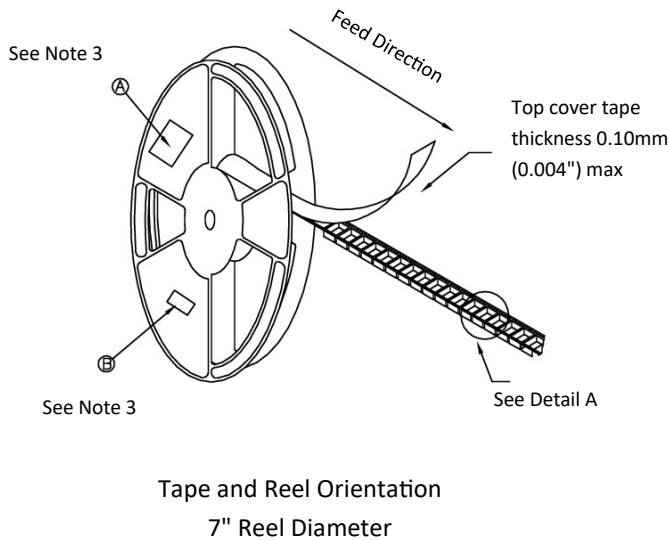
Notes:

Maximum duration at 260°C +0/-5° with 10 seconds max

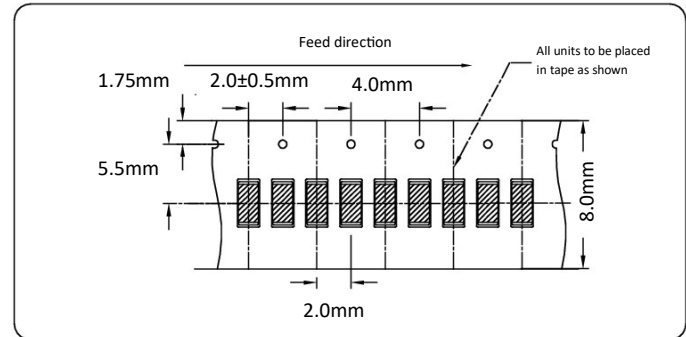
Maximum duration above 217°C shall be 60-150 seconds

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. **2,000 pcs per 7" reel**