

### Features

- 1008 size
- Magnetic shielding
- High Q characteristics
- High current
- RoHS compliant\*



The CF252016 Series is no longer available and not recommended for new designs. Model **CM252016** is preferred.

### Applications

- Prevention of electromagnetic interference to signals on the secondary side of electronic equipment

## CF252016 Series - Ferrite Multi-Layer High Current Chip Inductors

### Electrical Specifications

Bourns Part No.	Inductance		Q	Test Freq.	SRF MHz	DCR	I <sub>rms</sub>
	μH	Tol. %	min.	L <sub>Q</sub> MHz	min.	Ω max.	mA max.
CF252016-R10K	0.10	±10	30	25.2	680	0.21	570
CF252016-R12K	0.12	±10	30	25.2	650	0.22	550
CF252016-R15K	0.15	±10	30	25.2	530	0.25	500
CF252016-R18K	0.18	±10	30	25.2	520	0.29	460
CF252016-R22K	0.22	±10	30	25.2	390	0.30	430
CF252016-R27K	0.27	±10	30	25.2	330	0.33	420
CF252016-R33K	0.33	±10	30	25.2	310	0.39	400
CF252016-R39K	0.39	±10	30	25.2	290	0.40	375
CF252016-R47K	0.47	±10	30	25.2	260	0.44	350
CF252016-R56K	0.56	±10	30	25.2	230	0.49	330
CF252016-R68K	0.68	±10	30	25.2	220	0.52	320
CF252016-R82K	0.82	±10	30	25.2	180	0.61	290
CF252016-1R0K	1.0	±10	30	7.96	150	0.75	250
CF252016-1R2K	1.2	±10	30	7.96	140	0.87	240
CF252016-1R5K	1.5	±10	30	7.96	130	1.00	230
CF252016-1R8K	1.8	±10	30	7.96	120	1.10	220
CF252016-2R2K	2.2	±10	30	7.96	105	1.30	210
CF252016-2R7K	2.7	±10	30	7.96	90	1.40	200
CF252016-3R3K	3.3	±10	30	7.96	80	1.60	190
CF252016-3R9K	3.9	±10	30	7.96	75	1.70	185
CF252016-4R7K	4.7	±10	30	7.96	70	1.90	180
CF252016-5R6K	5.6	±10	30	7.96	60	2.20	170
CF252016-6R8K	6.8	±10	30	7.96	55	2.40	165
CF252016-8R2K	8.2	±10	30	7.96	50	2.60	160
CF252016-100K	10.0	±10	25	2.52	30	2.20	155
CF252016-120K	12.0	±10	25	2.52	27	2.50	150
CF252016-150K	15.0	±10	25	2.52	23	2.80	140
CF252016-180K	18.0	±10	25	2.52	22	3.20	130
CF252016-220K	22.0	±10	25	2.52	21	3.60	125
CF252016-270K	27.0	±10	25	2.52	19	4.30	115
CF252016-330K	33.0	±10	25	2.52	17	4.70	110

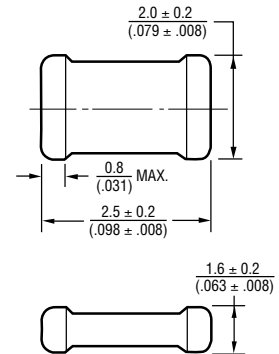
### General Specifications

Temperature Rise .....40 °C max. at rated current  
 Operating Temperature .....-55 °C to +125 °C  
 Storage Temperature...-55 °C to +125 °C  
 Reflow Soldering ...230 °C, 50 sec. max.  
 Resistance to Soldering Heat .....260 °C, 5 seconds

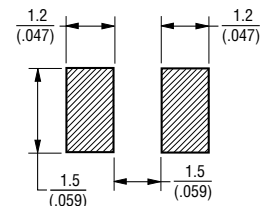
### Materials

Base Material .....Ferrite  
 Terminal .....Pd/Pt/Ag/Ni/Sn  
 Packaging.....2,000 pcs. per reel

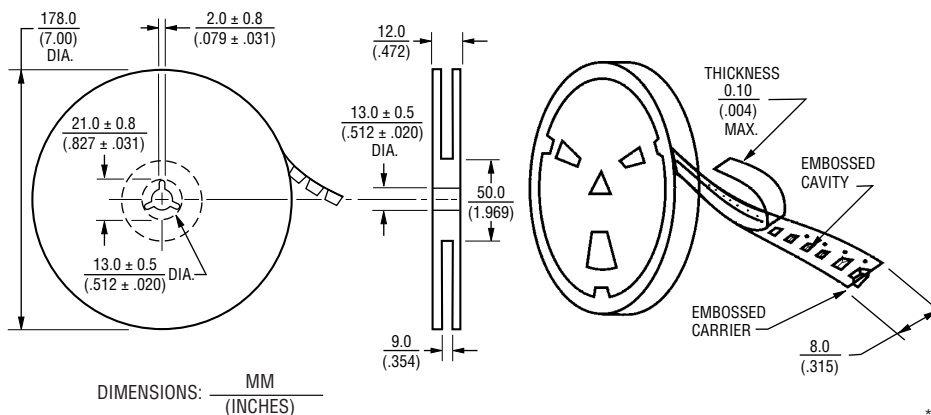
### Product Dimensions



### Recommended Layout



### Packaging Specifications



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

REV. 05/11

\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex..  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.