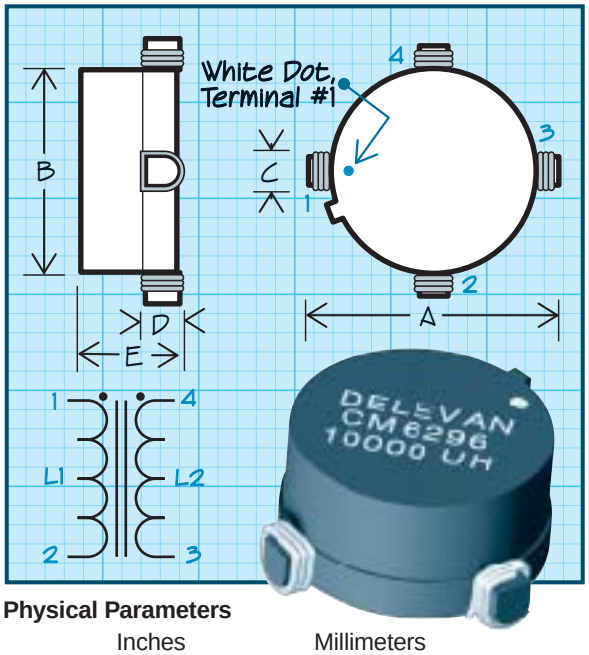
Series CM6296 Common Mode Choke/IsolationTransformer



Physical Parameters

	Inches	Millimeters
A	1.058 ± 0.005	26.87 ± 0.13
B	0.870 ± 0.005	22.10 ± 0.13
C	0.210 Max.	5.33 Max.
D	0.200 Max.	5.08 Max.
E	0.423 Max.	10.74 Max.

Mechanical Configuration Flat top surface mount case with excellent coplinarity of terminals

Operating Temperature –55°C to +125°C

Configuration Two inductors per unit; internal terminals: #1 (start)-#2 (finish) & #4 (start) -#3 (finish)
Series: Externally connect #2 and #4
Parallel:Externally connect #1 to #4 and #2 to #3

Rated DC Current Based Upon 20°C temperature rise from 25°C ambient and zero amp DC

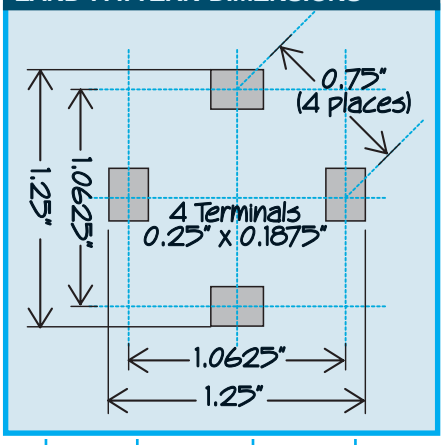
Maximum Power Dissipation at 25°C 2.5 Watts

Marking Terminal identification is for reference only. Number marking does not appear on part. Parts are marked with Delevan, Part Number, Inductance Value, and white dot at terminal 1

Packaging Bulk only

PART NUMBER	INDUCTANCE (µH) ± 25%	L TEST FREQUENCY (KHz)	LEAKAGE INDUCTANCE (µH) Typ.	DC RESISTANCE MAXIMUM (Ohms)	CURRENT RATING MAXIMUM (Amps)
Parallel Connection Specifications					
CM6296-253	25	1 KHz	0.7	0.007	20.0
CM6296-503	50	1 KHz	0.8	0.007	20.0
CM6296-104	100	1 KHz	1.4	0.008	19.0
CM6296-154	150	1 KHz	1.8	0.008	19.0
CM6296-204	200	1 KHz	2.2	0.008	17.0
CM6296-304	300	1 KHz	3.3	0.010	15.0
CM6296-454	450	1 KHz	4.6	0.012	13.0
CM6296-654	650	1 KHz	6.2	0.015	11.0
CM6296-105	1000	1 KHz	9.3	0.025	7.0
CM6296-155	1500	1 KHz	14.5	0.045	5.0
CM6296-255	2500	1 KHz	21.8	0.083	4.4
Series Connection Specifications					
CM6296-253	100	1 KHz	0.7	0.028	10.0
CM6296-503	200	1 KHz	0.8	0.028	10.0
CM6296-104	400	1 KHz	1.4	0.032	9.5
CM6296-154	600	1 KHz	1.8	0.032	9.5
CM6296-204	800	1 KHz	2.2	0.032	8.5
CM6296-304	1200	1 KHz	3.3	0.040	7.5
CM6296-454	1800	1 KHz	4.6	0.048	6.5
CM6296-654	2600	1 KHz	6.2	0.060	5.5
CM6296-105	4000	1 KHz	9.3	0.100	3.5
CM6296-155	6000	1 KHz	14.5	0.180	2.5
CM6296-255	10000	1 KHz	21.8	0.332	2.2

LAND PATTERN DIMENSIONS



TRANSFORMERS