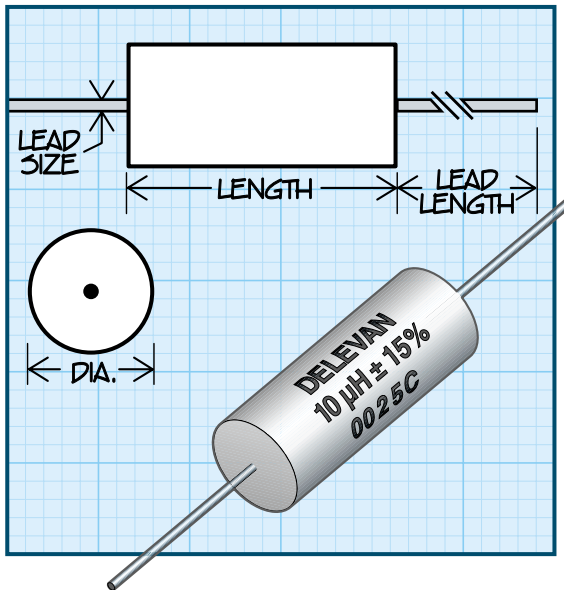


# Series 2256

## Axial Lead Power Choke



**Mechanical Configuration** Units are axial leaded encapsulated in an epoxy molded case.

**Physical Parameters**

	Inches	Millimeters
Length	0.550 to 0.570	14.00 to 14.48
Diameter	0.205 to 0.225	5.21 to 5.72
Lead Size		
AWG #21 TCW	0.026 to 0.030	0.66 to 0.76
Lead Length	1.25 Min.	31.75 Min.

**Operating Temperature** -55°C to +125°C

**Current Rating at 80°C Ambient** 45°C Rise

**Test Frequency** 1 KHz

**Maximum Power Dissipation at 80°C** 0.44 W

**Incremental Current** The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

**Packaging** Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max. For additional packaging options, see page 114.

*Made in the U.S.A.*

PART NUMBER	INDUCTANCE @ 1 KHz (µH) ± 15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT (Amps)
<b>SERIES 2256 FERRITE CORE</b>				
2256-221L	0.22	0.0080	7.00	7.00
2256-271L	0.27	0.0085	6.75	6.75
2256-331L	0.33	0.0090	6.50	6.50
2256-391L	0.39	0.0095	6.25	6.25
2256-471L	0.47	0.0100	6.00	6.00
2256-561L	0.56	0.0105	5.80	5.80
2256-681L	0.68	0.0110	5.70	5.70
2256-821L	0.82	0.0120	5.60	5.60
2256-01L	1.00	0.013	5.50	5.50
2256-02L	1.20	0.018	4.69	4.69
2256-03L	1.50	0.020	4.45	4.45
2256-04L	1.80	0.021	4.34	4.34
2256-05L	2.20	0.029	3.70	3.70
2256-06L	2.70	0.034	3.41	3.41
2256-07L	3.30	0.038	3.23	3.23
2256-08L	3.90	0.042	3.07	3.07
2256-09L	4.70	0.047	2.90	2.90
2256-10L	5.60	0.051	2.79	2.79
2256-11L	6.80	0.058	2.61	2.61
2256-12L	8.20	0.063	2.51	2.51
2256-13L	10.0	0.071	2.36	2.36
2256-14L	12.0	0.079	2.24	2.24
2256-15L	15.0	0.089	2.11	2.11
2256-16L	18.0	0.119	1.82	1.82
2256-17L	22.0	0.152	1.61	1.61
2256-18L	27.0	0.179	1.48	1.48
2256-19L	33.0	0.222	1.33	1.33
2256-20L	39.0	0.315	1.12	1.12
2256-21L	47.0	0.362	1.04	1.04
2256-22L	56.0	0.397	1.00	1.00
2256-23L	68.0	0.418	0.97	0.97
2256-24L	82.0	0.604	0.81	0.81
2256-25L	100	0.672	0.76	0.76
2256-26L	120	0.735	0.73	0.73
2256-27L	150	0.913	0.63	0.63
2256-28L	180	1.370	0.53	0.53
2256-29L	220	1.580	0.50	0.50
2256-30L	270	1.770	0.47	0.47
2256-31L	330	2.510	0.39	0.39
2256-32L	390	2.730	0.38	0.38
2256-33L	470	3.250	0.35	0.35
2256-34L	560	3.750	0.33	0.33
2256-35L	680	4.310	0.30	0.30
2256-36L	820	6.040	0.26	0.26
2256-37L	1000	6.900	0.24	0.24
2256-38L	1200	10.00	0.200	0.200
2256-39L	1500	12.50	0.178	0.178
2256-40L	1800	16.00	0.157	0.157
2256-41L	2200	20.00	0.141	0.141
2256-42L	2700	23.00	0.131	0.131
2256-43L	3300	25.00	0.126	0.126
2256-44L	3900	33.00	0.110	0.110
2256-45L	4700	37.00	0.103	0.103
2256-46L	5600	40.00	0.100	0.100
2256-47L	6800	62.00	0.080	0.080
2256-48L	8200	66.00	0.077	0.077
2256-49L	10000	74.00	0.071	0.071
2256-50L	12000	93.00	0.065	0.065
2256-51L	15000	105.0	0.061	0.061
2256-52L	18000	143.0	0.052	0.052
2256-53L	22000	160.0	0.050	0.050

OPTIONAL TOLERANCES: K=10% J=5%