

DOCUMENT No: DG-003	TITLE: Dimensioning and Tolerancing Guidelines for Voice Coils	PAGE: 1 of 1
APPLICATION:	REVISION: 2/2/04	DATE: 2/2/04

Note: All tolerance units are millimeters (mm) unless otherwise stated.

Feature	Special Characteristics	Tolerance
I.D.	C	± 0.05 or ± 0.1% of the nominal, whichever is greater
Former Width		± 0.13
Former Thickness		± 10% of the nominal
Former Gap		specify as MAX (Maximum)
Collar Thickness		± 10% of the nominal
Collar Width		± 0.25
Collar Gap		specify as MAX (Maximum)
Collar Notch Width		± 0.25
Collar Notch Depth		± 0.25
Collar Margin		± 0.4
Lead Spacing		± 2.5
Lead Length	S	± 0.5
Tinned Length		± 3.2
Winding Width	S	± 1 wire diameter
Top of Winding	C	± 0.25
Bottom of Winding	C	± 0.25
Middle of Winding	S	± 0.25
Winding Margin	S	± 0.4
Winding O.D.	C	specify as MAX (Maximum)
DC Resistance (DCR)	C	± 5%
Number of Turns	S	± 1 turn
Number of Layers		N/A
Mass	S	± 10% of the nominal
Maximum Operating Temperature (T _{MO})	C	± 7°C

Revision History

Rev Level	Description of Change	Prepared/ Changed By/ Date	Approved By/ Date
DRAFT	Create document	Brian Sterling 7/21/03	--
2/2/04	Release document	Brian Sterling 7/21/03	ALMA Committee 1/7/04