

XFMRS, Inc.

SPECIFICATION FOR APPROVAL

XFMRS P/N : XFEB160808-121-4A Rev: A/1

DIMENSION : (m/m)

Dimensions & Structure :

The drawings show a cylindrical component with diameter D and length A. A detail view shows a terminal electrode with diameter B and height C. The cross-section of the terminal electrode shows four layers: TIN, NICKEL, SILVER, and FERRITE.

A	$\phi 1.6 \pm 0.15$	m/m
B	0.8 ± 0.15	m/m
C	0.8 ± 0.15	m/m
D	0.4 ± 0.2	m/m
E		m/m
F		m/m
G		m/m
H		m/m
I		m/m
J		m/m
K		m/m
L		m/m
M		m/m
N		m/m
O		m/m

ELECTRICAL REQUIREMENTS

Z	$120 \pm 25\%$ ohm	TEST FREQ.	100	MHz
Rdc	0.040 OHM. MAX.	TEST FREQ.		MHz
Idc	4000mA Max	TEST FREQ.		MHz

TEST INSTRUMENTS

● HP 4291A RF IMPEDANCE / MATERIAL ANALYZER

The graph plots Impedance (Ω) on the y-axis (0 to 200) against Frequency (MHz) on a logarithmic x-axis (1 to 3000). Three curves are shown: Z (total impedance), R (resistance), and X (reactance). Z peaks at approximately 175 Ω around 500 MHz. R increases with frequency, and X decreases with frequency.

- Notes:**
- Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
 - Flammability: UL94V-0
 - ASTM oxygen index: > 28%
 - Insulation System: Class F 155°C. UL file E151556
 - Operating Temperature Range: All listed parameters are to be within tolerance from -55°C to +125°C
 - Storage Temperature Range: -55°C to +125°C
 - Aqueous wash compatible
 - SMD Lead Coplanarity: $\pm 0.004'' (0.102\text{mm})$
 - Electrical and mechanical specifications 100% tested
 - RoHS Compliant Component

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