

NEW!


Common Mode Choke ZE2706



- Miniature and low profile chip-style common mode choke; only 5.3 mm tall
- High current and exceptional common mode noise attenuation
- AEC-Q200 qualified

Core material Ferrite

Environmental RoHS compliant, halogen free

Terminations RoHS compliant tin over nickel over silver glass frit

Weight 0.53 – 0.54 g

Ambient temperature –40°C to +125°C with (15°C rise) Irms current.

Maximum part temperature +140°C (ambient + temp rise).

Storage temperature Component: –40°C to +140°C.

Tape and reel packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Packaging 350/7" reel; 1500/13" reel Plastic tape: 16 mm wide, 0.4 mm thick, 8 mm pocket spacing, 5.5 mm pocket depth

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Common mode impedance typ (Ohms)	Inductance (μH) ²		DCR max (Ohms) ³		Isolation ⁴ (Vrms)	Leakage L max (μH) ⁵	Cap max ⁶ (pF)	Irms (mA)		
		L1	L2	pri	sec				25°C ⁷	85°C ⁸	125°C ⁹
ZE2706-AEC	950 @ 100 MHz	4.8	4.8	0.022	0.022	415	0.05	4.5	3.9	3.7	2.4

1. When ordering, please specify **packaging** code:

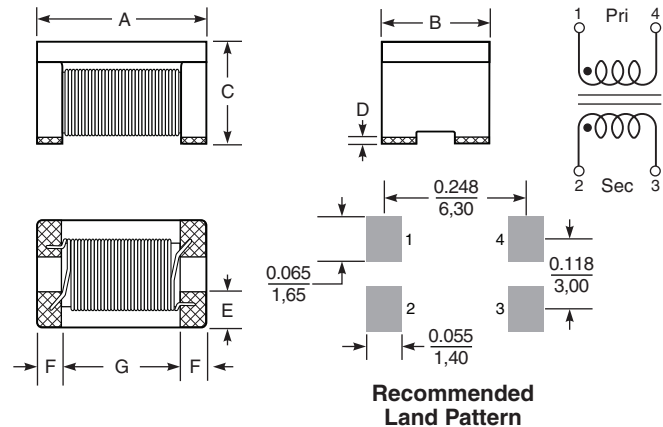
ZE2706-AEC

Packaging: C = 7" machine-ready reel. EIA-481 embossed plastic tape (350 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

D = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (1500 parts per full reel).

- Inductance is measured at 100 kHz, 0.1 Vrms, 0 ADC on an Agilent 4263B (or equivalent).
- DCR is measured on a Keithley 580 Micro-ohmmeter (or equivalent).
- 415 Vrms, one minute isolation (hipot) measured between primary and secondary
- Leakage Inductance is measured at 100 kHz, 0.1 Vrms on an Agilent 4263B (or equivalent) with Sec shorted
- Interwinding capacitance is measured from primary to secondary at 250 KHz, 0.1 Vrms
- Current through the windings connected in series that causes a 40°C rise from 25°C. This information is for reference only and does not represent absolute maximum ratings.
- Current through the windings connected in series that causes a 40°C rise at 85°C. This information is for reference only and does not represent absolute maximum ratings.
- Current through the windings connected in series that causes a 15°C rise at 125°C. This information is for reference only and does not represent absolute maximum ratings.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



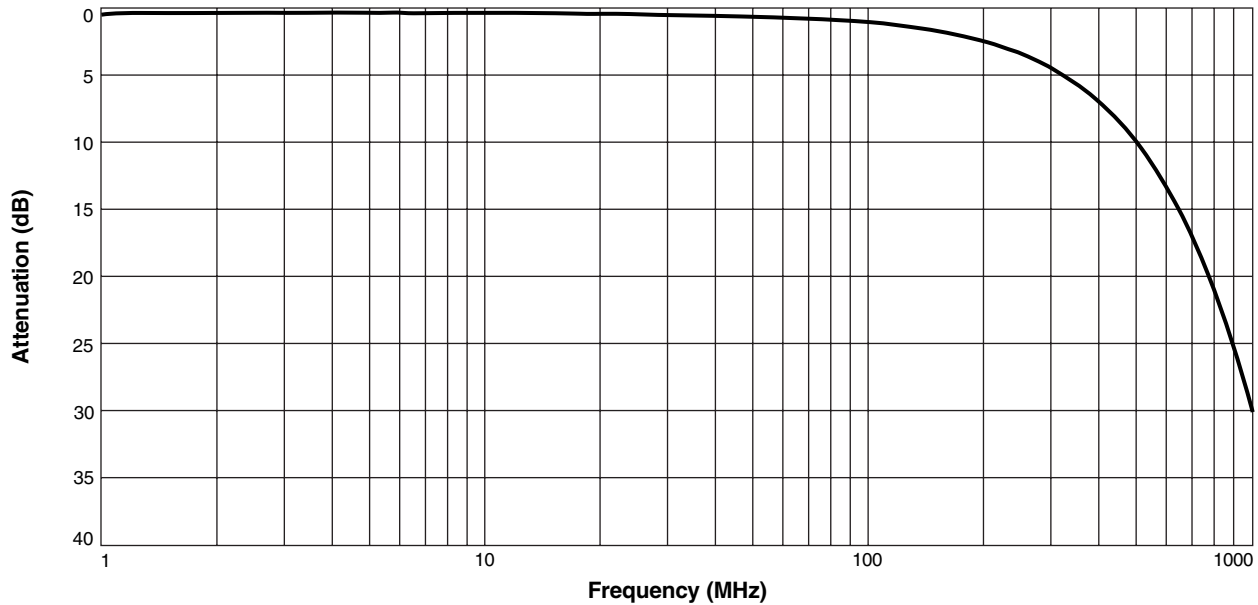
A max	B max	C max	D	E	F	G	
0.284	0.191	0.209	0.012	0.059	0.040	0.197	in
7,2	4,85	5,3	0,30	1,5	1,0	5,0	mm



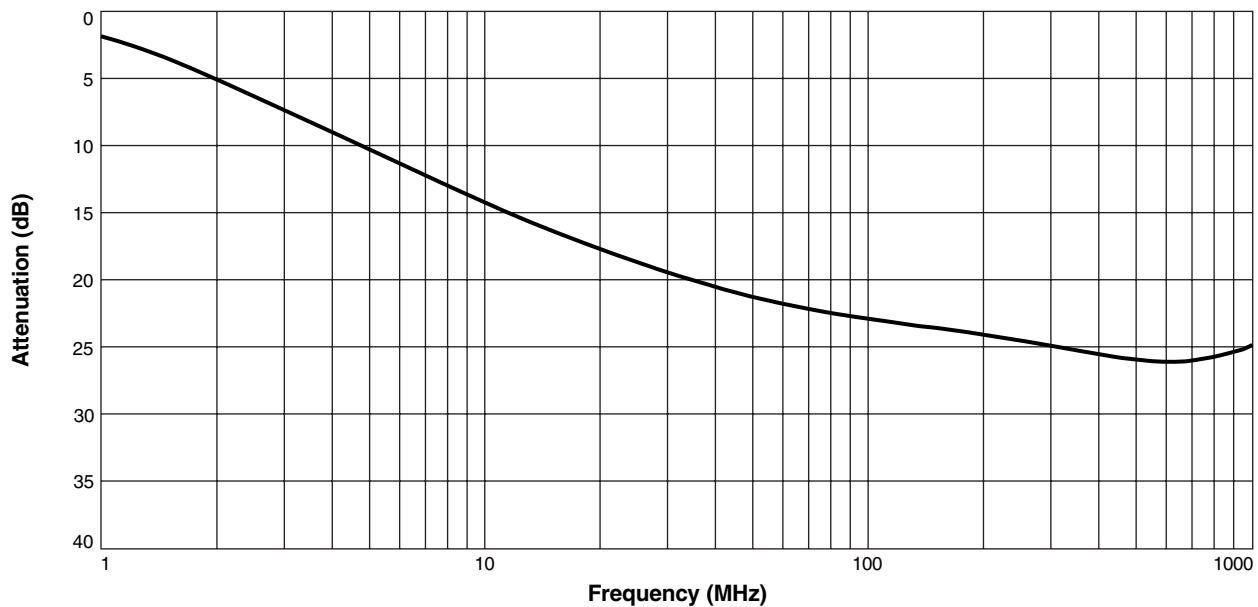
ZE2706-AE Common Mode Chokes

Attenuation vs Frequency

Differential Mode



Common Mode

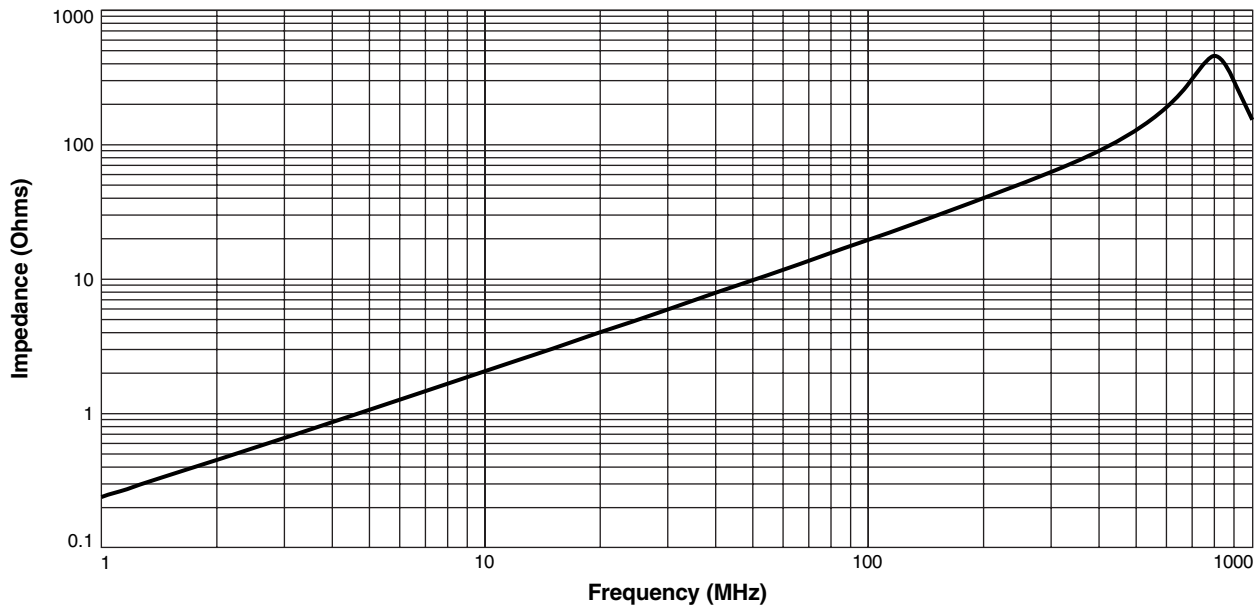




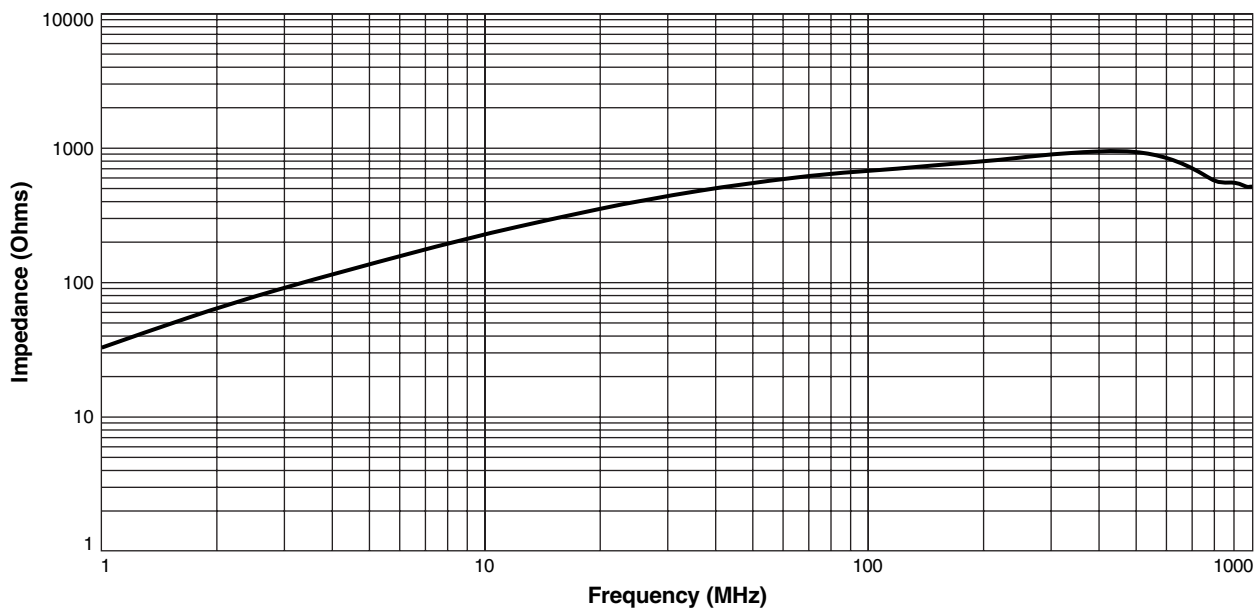
ZE2706-AE Common Mode Chokes

Impedance vs Frequency

Differential Mode



Common Mode



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