



High Impedance Chips

Steward's two-terminal surface mount ferrites provide compact, cost effective EMI filtering for densely packed PCB designs. The small footprint enables placement within a fraction of an inch of troublesome high frequency devices. Our proprietary SMT construction yields rugged components with impedance versus frequency characteristics superior to those of similar products.

FEATURES:

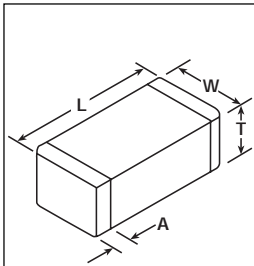
- Small footprint
- Economical
- Rugged construction
- High current capability
- Superior impedance vs. Frequency characteristics

APPLICATIONS:

- Filtering of power input pins and devices using high speed clocks
- High frequency filtering of medium speed clocks and video signals
- Preventing oscillations in high frequency amplifiers

PART NUMBERING SYSTEM

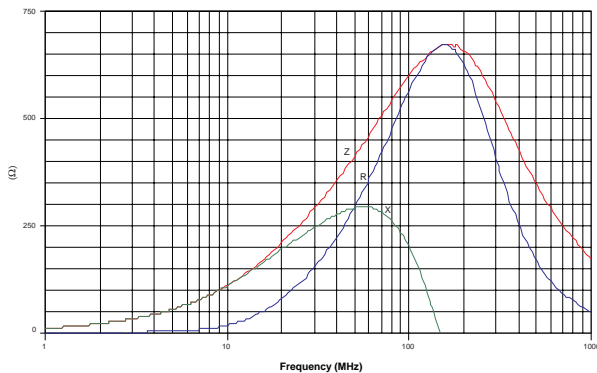
HZ	0603	A	601	R
PRODUCT SERIES CODE	PACKAGE SIZE CODE	RATED CURRENT CODE	IMPEDANCE VALUE CODE	TAPING CODE



PART NUMBER	L mm (inches)	W mm (inches)	T mm (inches)	A mm (inches)	Z OHMS @			DCR MAX OHMS	RATED i MAX mA	OPERATING TEMPERATURE
					100MHz	500 MHz	1 GHz			
HZ 0603 A 601 R	1.60 ± 0.15 (.063 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.30 ± 0.20 (.012 ± .008)	600	343	173	0.600	100	- 55° C TO + 125° C
HZ 0603 A 751 R	1.60 ± 0.15 (.063 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.30 ± 0.20 (.012 ± .008)	750	331	168	1.000	100	
HZ 0603 A 102 R	1.60 ± 0.15 (.063 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.30 ± 0.20 (.012 ± .008)	1000	376	187	0.700	100	
HZ 0805 B 601 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	0.90 ± 0.20 (.035 ± .008)	0.46 ± 0.20 (.018 ± .008)	600	218	115	1.500	200	
HZ 0805 E 601 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	0.90 ± 0.20 (.035 ± .008)	0.46 ± 0.20 (.018 ± .008)	600	218	115	0.300	500	
HZ 1206 B 601 R	3.20 ± 0.20 (.126 ± .008)	1.60 ± 0.20 (.063 ± .008)	1.10 ± 0.20 (.043 ± .008)	0.46 ± 0.20 (.018 ± .008)	600	202	103	0.700	200	

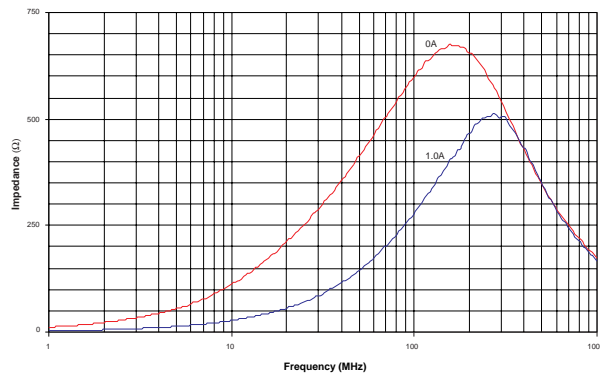
HZ 0603 A 601R
Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance

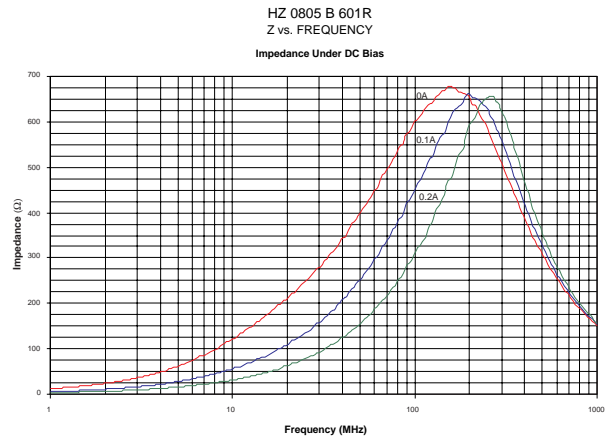
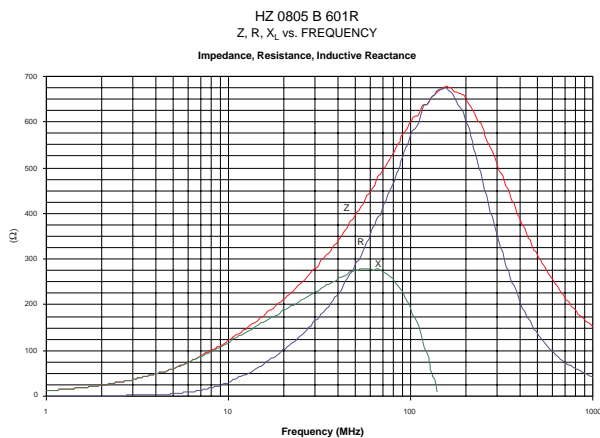
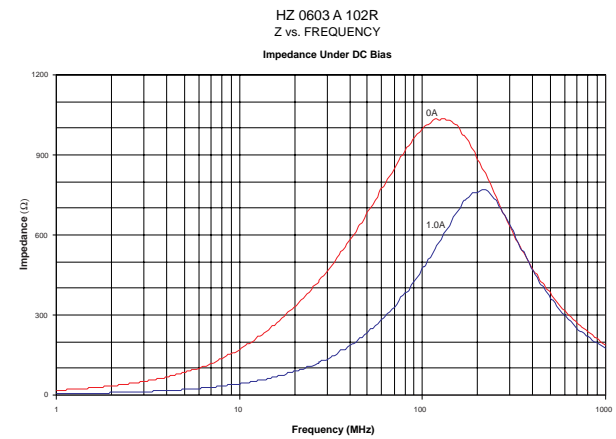
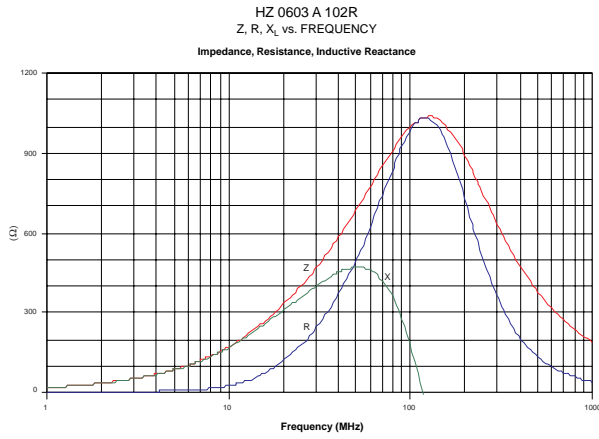
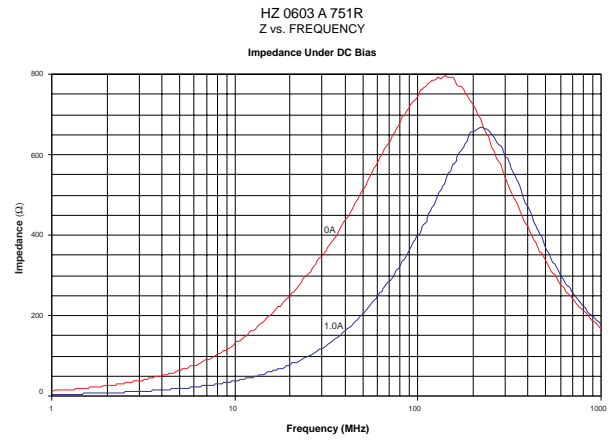
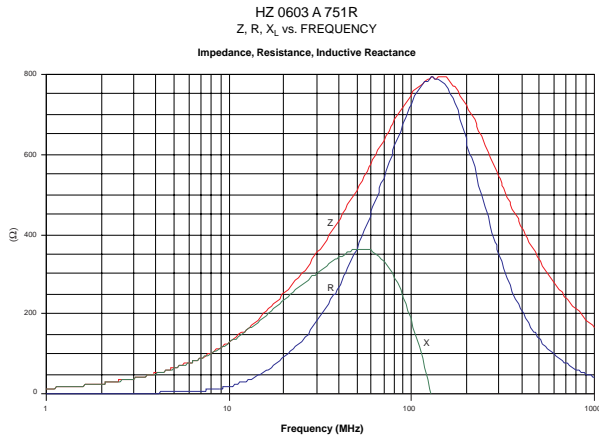


HZ 0603 A 601R
Z vs. FREQUENCY

Impedance Under DC Bias

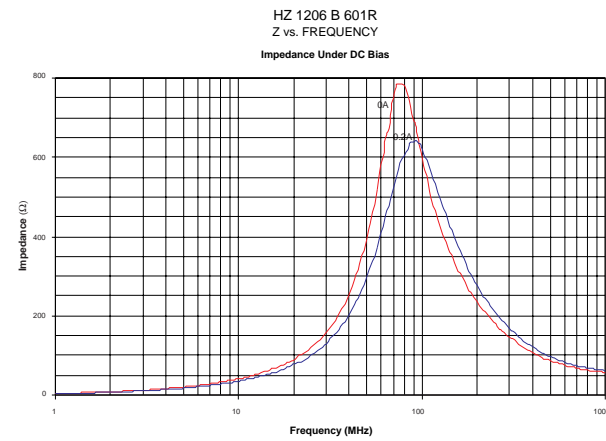
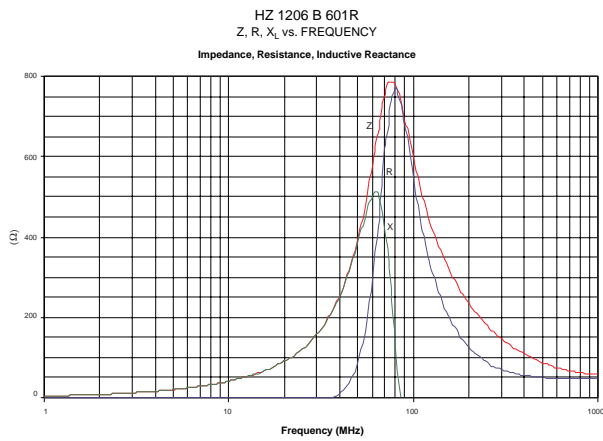
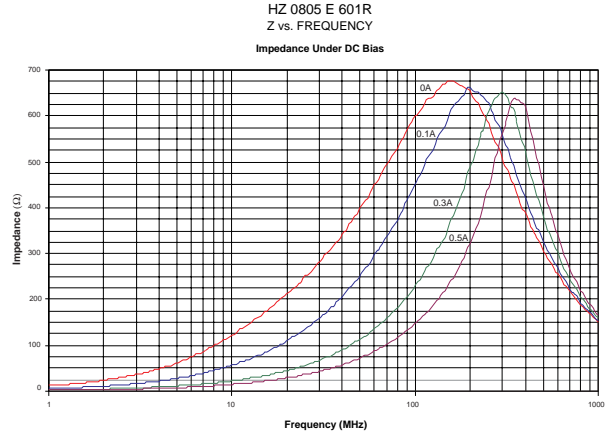
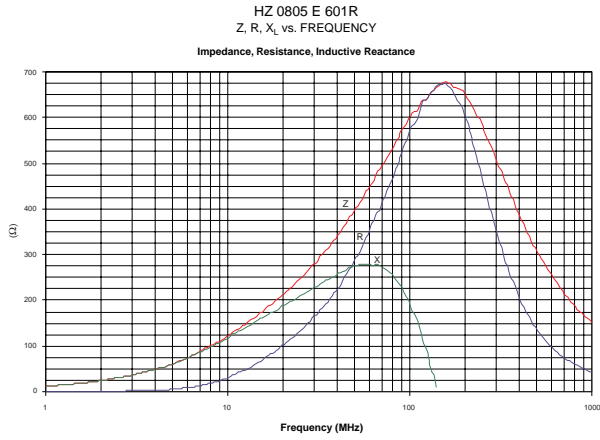


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