

High Current Multilayer Ferrite Chip Beads / QT-HC Series

Feature

1. Closed magnetic circuit structure allows high density mounting while preventing crosstalk.
2. Extremely high reliability due to entirely monolithic construction.
3. Low DC resistance structure of electrode to prevent wasteful electric power consumption.
4. High Current rating up to 6A.

Application

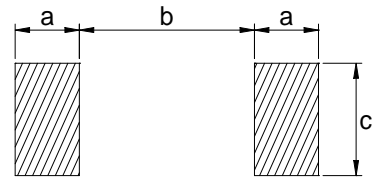
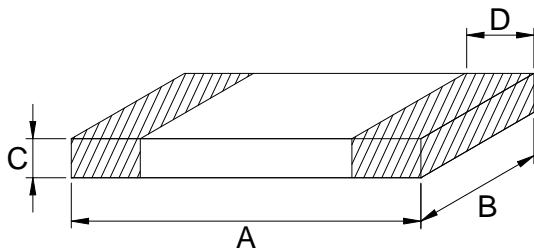
Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers High current DC lines and other computer peripheral products.

Product Identification

QT 2012 RL 600 HC2A - LF
1 2 3 4 5 6

1. Series name
2. Dimension.(See Details)
3. Material.
4. Impedance.(See Details)
5. Rated current
6. Lead-Free part number.

Configurations & Dimensions



PCB Pattern

Series Name	A	B	C	D	a	b	c
QT1608-HC	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2	1.00	0.60	0.80
QT2012-HC	2.0 ± 0.2	1.25 ± 0.2	0.85 ± 0.2	0.5 ± 0.3	1.00	1.00	1.00
QT3216-HC	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.2	0.5 ± 0.3	1.10	2.20	1.40
QT3225-HC	3.2 ± 0.2	2.5 ± 0.2	1.3 ± 0.2	0.5 ± 0.3	1.10	2.20	3.40
QT4516-HC	4.5 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	1.50	2.70	1.40
QT4532-HC	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.2	0.5 ± 0.3	1.67	2.57	4.22

Unit: mm

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■ Electrical Characteristics / QT1608-HC

System Number	Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
WP36O0101-00	QT1608RL030HC-3A	30	100	40	3,000
WP36O0125-00	QT1608RL080HC-3A	80	100	40	3,000
WP36O0103-00	QT1608RL120HC-2A	120	100	100	2,000
WP36O0104-00	QT1608RL150HC-2A	150	100	100	2,000
WP36O0105-00	QT1608RL220HC-2A	220	100	100	2,000
WP36O0106-00	QT1608RL300HC-1A	300	100	200	1,000
WP36O0107-00	QT1608RL470HC-1A	470	100	200	1,000
WP36O0108-00	QT1608RL600HC-1A	600	100	200	1,000

■ Electrical Characteristics / QT2012-HC

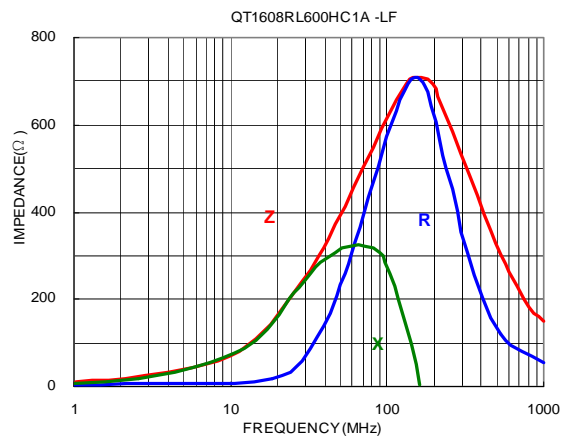
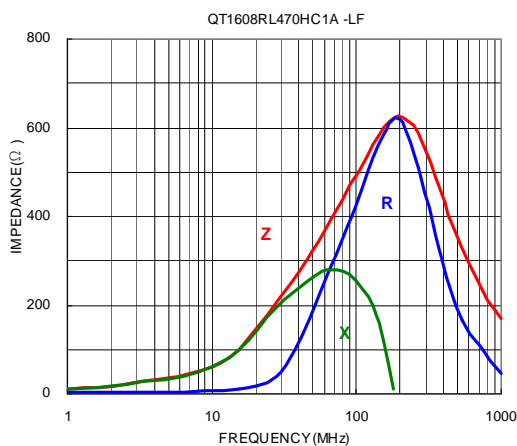
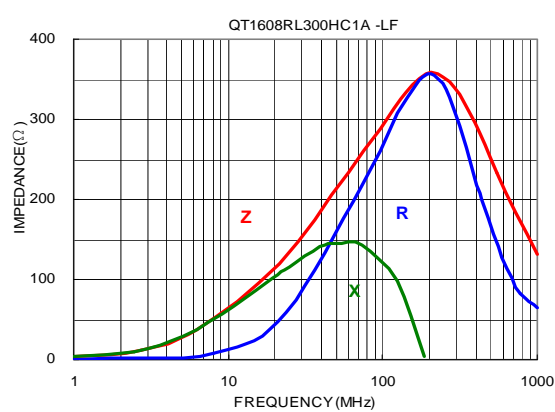
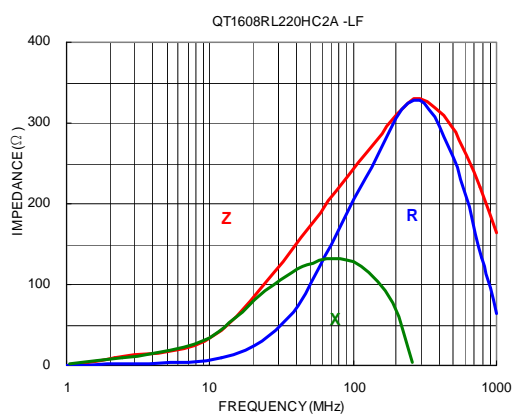
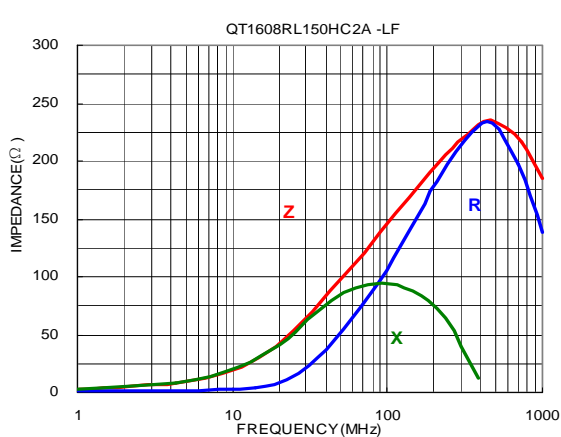
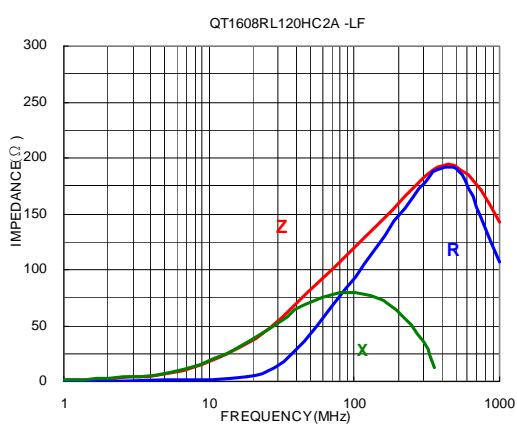
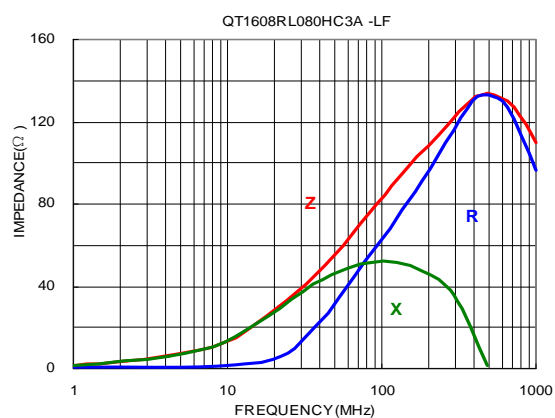
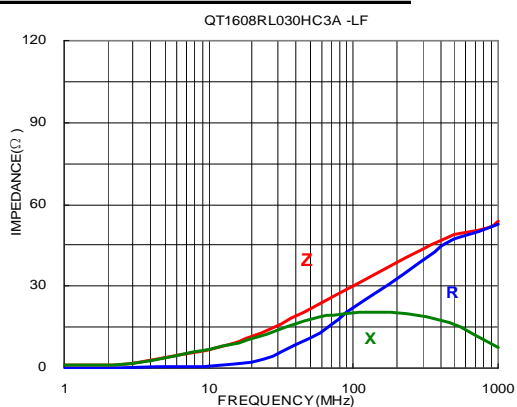
System Number	Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
WP36O0201-00	QT2012RL030HC-3A	30	100	40	3,000
WP36O0225-00	QT2012RL080HC-3A	80	100	40	3,000
WP36O0203-00	QT2012RL120HC-2A	120	100	100	2,000
WP36O0204-00	QT2012RL150HC-2A	150	100	100	2,000
WP36O0205-00	QT2012RL220HC-2A	220	100	100	2,000
WP36O0206-00	QT2012RL300HC-1A	300	100	200	1,000
WP36O0207-00	QT2012RL470HC-1A	470	100	200	1,000
WP36O0208-00	QT2012RL600HC-1A	600	100	200	1,000

■ Electrical Characteristics / QT3216-HC

System Number	Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
WP36O0501-00	QT3216RL030HC-3A	30	100	40	3,000
WP36O0519-00	QT3216RL050HC-3A	50	100	40	3,000
WP36O0525-00	QT3216RL080HC-3A	80	100	40	3,000
WP36O0503-00	QT3216RL120HC-2A	120	100	100	2,000
WP36O0504-00	QT3216RL150HC-2A	150	100	100	2,000
WP36O0506-00	QT3216RL300HC-1A	300	100	200	1,000
WP36O0507-00	QT3216RL470HC-1A	470	100	200	1,000
WP36O0527-00	QT3216RL500HC-3A	500	100	40	3,000
WP36O0508-00	QT3216RL600HC-2A	600	100	100	2,000

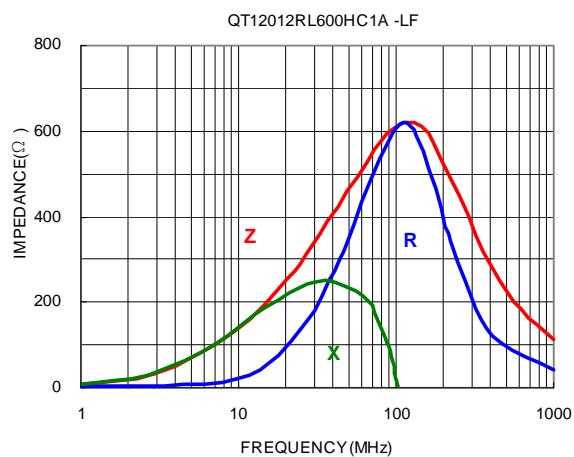
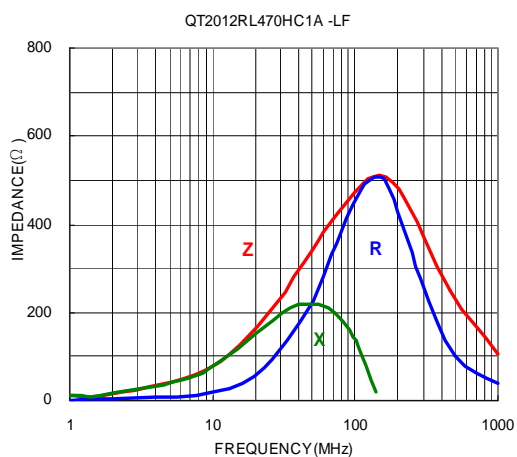
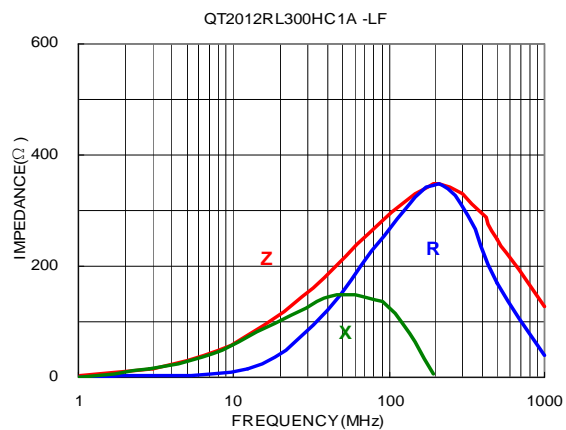
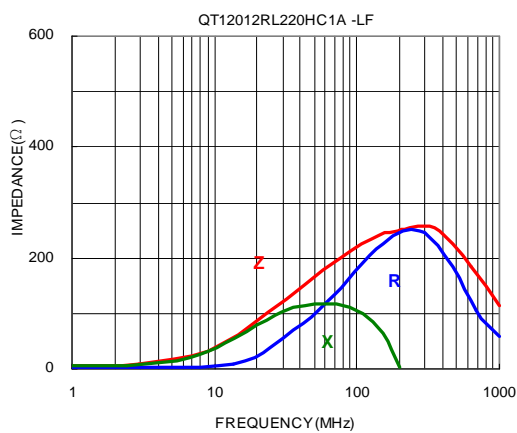
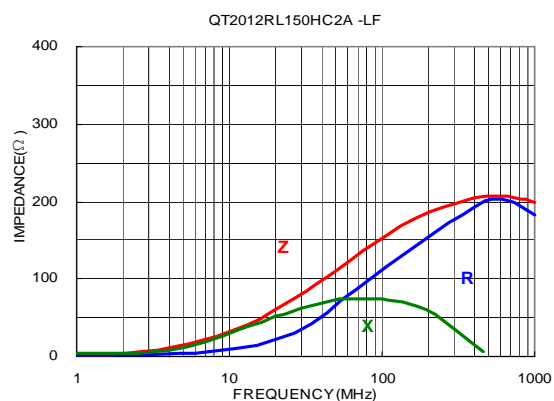
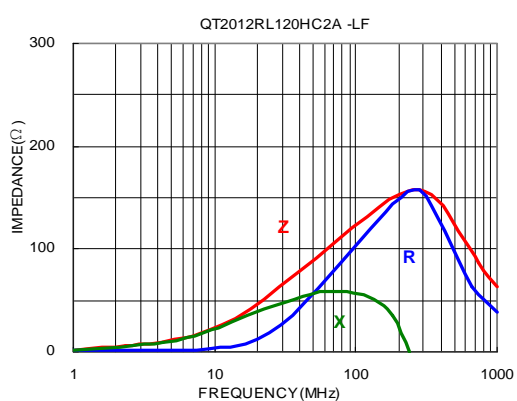
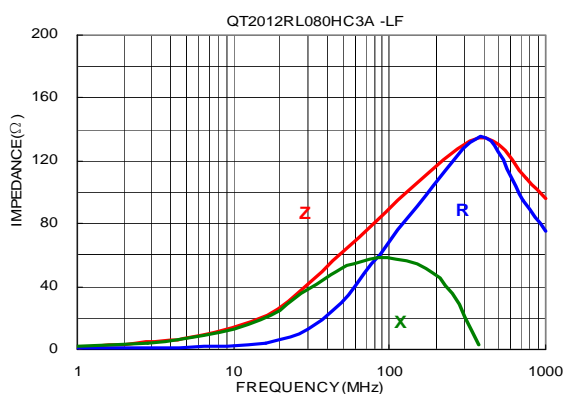
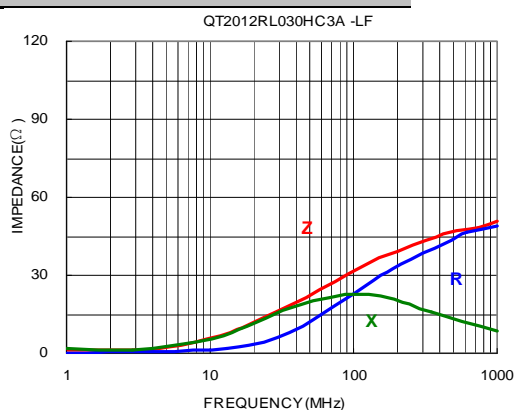
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Electrical Curve / QT1608-HC



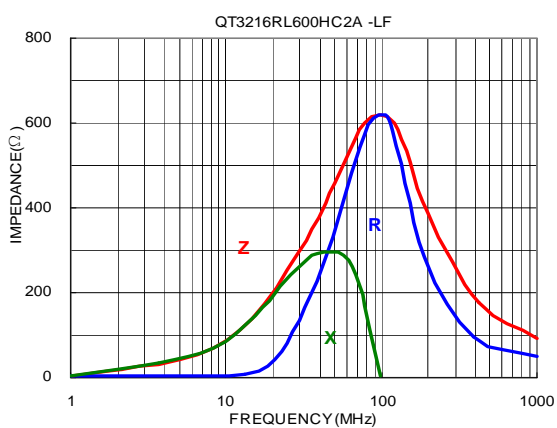
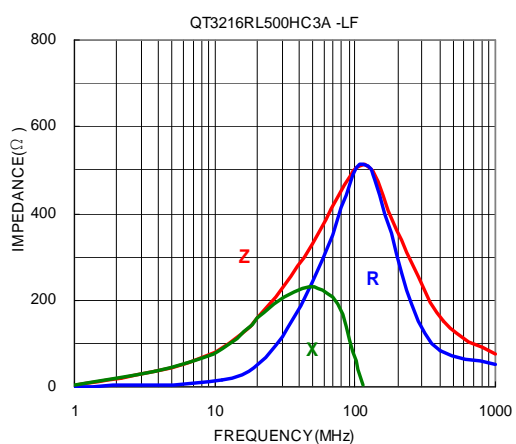
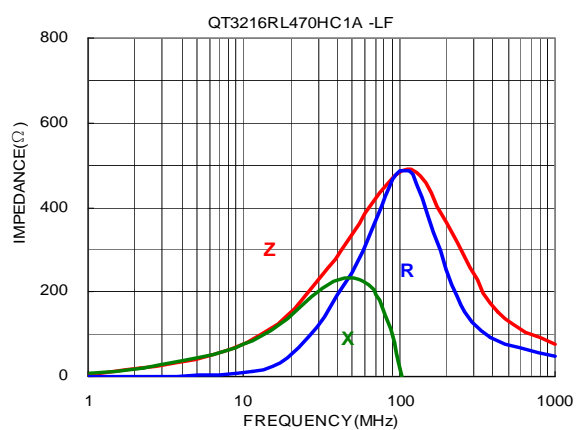
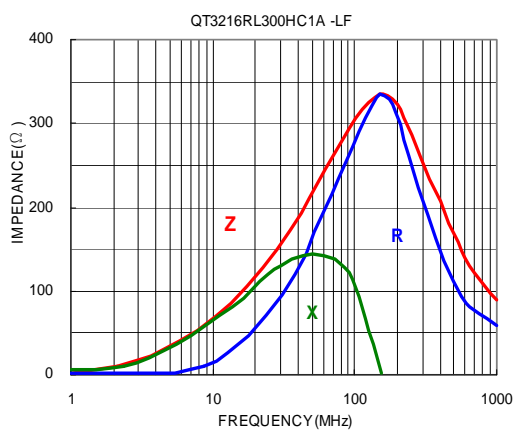
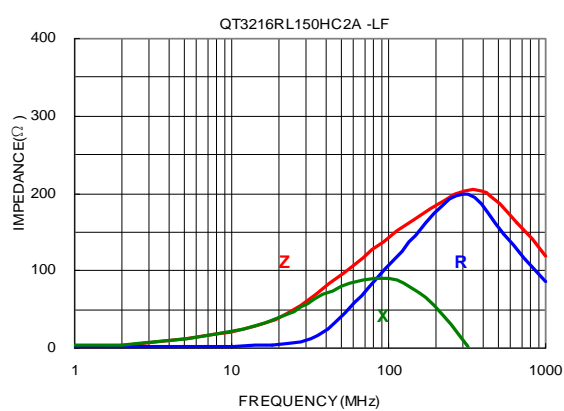
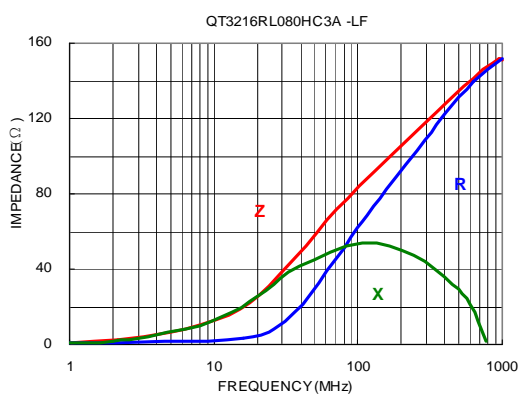
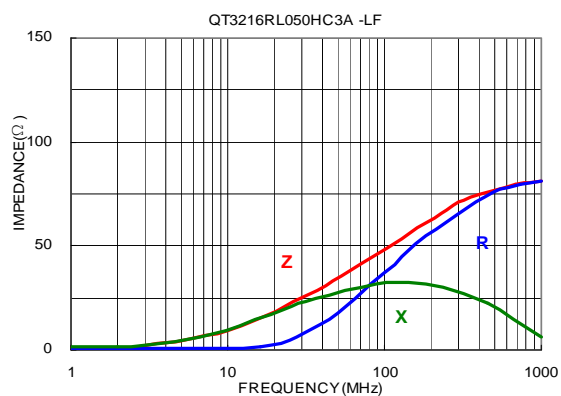
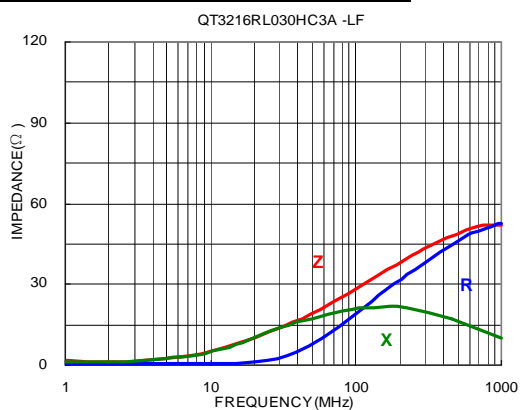
High Current Multilayer Ferrite Chip Beads / QT-HC Series

Electrical Curve / QT2012-HC



High Current Multilayer Ferrite Chip Beads / QT-HC Series

Electrical Curve / QT3216-HC



High Current Multilayer Ferrite Chip Beads / QT-HC Series

Electrical Characteristics / QT3225-HC

System Number	Part Number	Impedance (Ω) $\pm 25\%$	Test Frequency (MHz)	DC Resistance Max. (m Ω)	Rated Current Max. (mA)
WP36O0602-00	QT3225RL060HC-4A	60	100	30	4,000
WP36O0621-00	QT3225RL090HC-2A	90	100	100	2,000
WP36O0604-00	QT3225RL150HC-5A	150	100	20	5,000
WP36O0626-00	QT3225RL200HC-4A	200	100	30	4,000

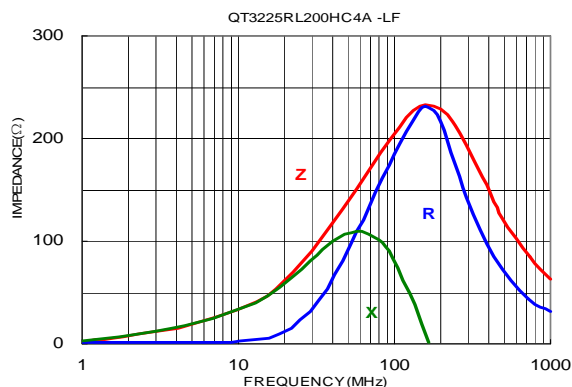
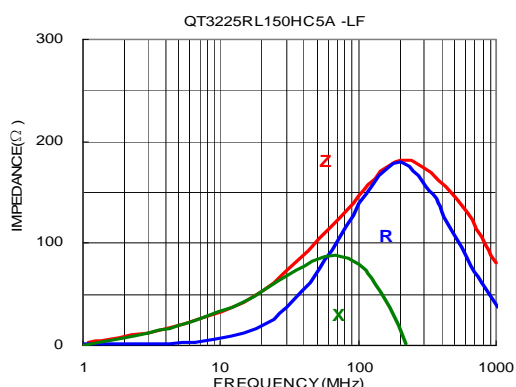
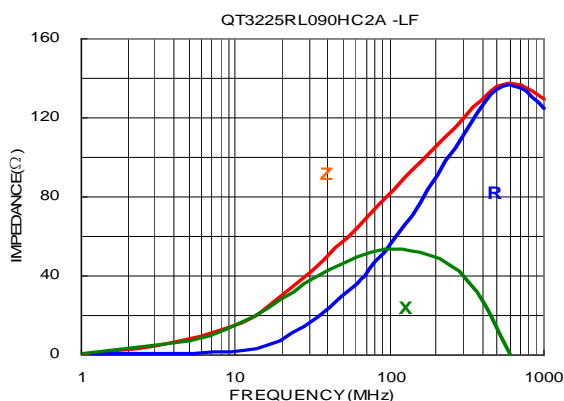
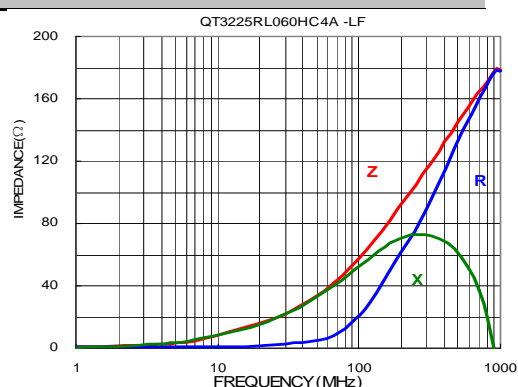
Electrical Characteristics / QT4516-HC

System Number	Part Number	Impedance (Ω) $\pm 25\%$	Test Frequency (MHz)	DC Resistance Max. (m Ω)	Rated Current Max. (mA)
WP36O0702-00	QT4516RL060HC-6A	60	100	10	6,000
WP36O0725-00	QT4516RL080HC-3A	80	100	40	3,000
WP36O0709-03	QT4516BL1000HC-1.5A	1000	100	150	1,500

Electrical Characteristics / QT4532-HC

System Number	Part Number	Impedance (Ω) $\pm 25\%$	Test Frequency (MHz)	DC Resistance Max. (m Ω)	Rated Current Max. (mA)
WP36O0825-00	QT4532RL080HC-6A	80	100	10	6,000
WP36O0824-00	QT4532RL130HC-3A	130	100	40	3,000
WP36O0804-00	QT4532RL150HC-5A	150	100	20	5,000
WP36O0828-02	QT4532HL680HC-4A	680	100	30	4,000
WP36O0829-02	QT4532HL1300HC-3A	1300	100	60	3,000
WP36O0829-01	QT4532ML1300HC-3A	1300	100	60	3,000

Electrical Curve / QT3225-HC



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Electrical Curve / QT3225-HC , QT4516-HC , QT4532-HC

