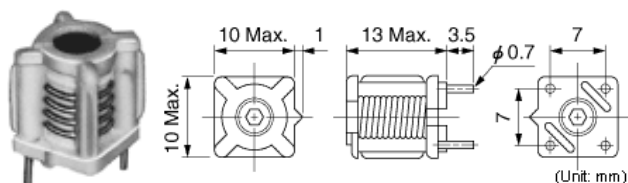


## INDUCTORS

### TOKO MC120 MOULDED COILS



The MC120 is a high stability molded coil for general VHF applications including, bandpass filters, oscillator & multiplier coils, & Low Pass Filters in the region of 80 – 200MHz. All coils are supplied with a shielded Can. The Can, can easily be removed for use without a can. **Please note that these are no longer manufactured by Toko, & should not be used for designs that are to be made into new products.**

Order No	Description	Each
E526HNA-10111	2.5Turns, 150MHz, 0.05uH with Can Ferrite Core, Spacewound Coil <b>Without Can 0.07uH</b>	\$2.20
E526HNA-10113	4.5Turns, 100MHz, 0.10uH with Can Ferrite Core, Spacewound Coil <b>Without Can 0.15uH</b>	\$2.00
E526HNA-10114	5.5Turns, 80MHz, 0.13uH with Can Ferrite Core, Spacewound Coil <b>Without Can 0.21uH</b>	\$2.10
E526HNA100073	3.5Turns, 120MHz, 0.09uH with Can Ferrite Core, Closewound Coil <b>Without Can 0.13uH</b>	\$2.20
CS10 / 1012-3.5	3.5Turns, 100MHz, 0.097uH with Can Ferrite Core, Closewound Coil <b>XICON 434-1012 SERIES</b>	\$2.20

### ALIGNMENT TOOL



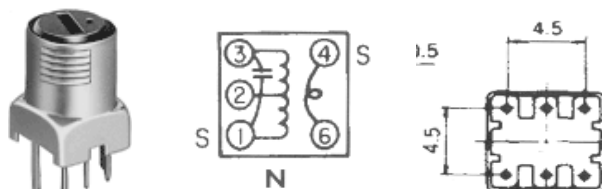
Coilcraft Trituner, suitable for use with the MC120 coils above, or trimmer capacitors. There are two Hex bits 1.9mm/2.4mm on one end, & a moulded ceramic slotted tip 1.4x0.4mm on the other end.

Order No	Description	Each
TOOL1	Trituner Alignment Tool	\$3.60

For Data Sheets, please refer to the Coilcraft Websire

## INDUCTORS

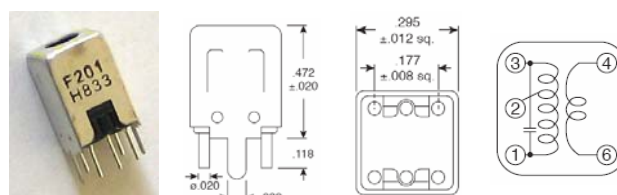
### TOKO 7P 455kHz / 10.7MHz IF TRANSFORMERS



Suitable for 455kHz & 10.7MHz IF transformers, & FM Quadrature coil. 455kHz coils have an internal 180pF capacitor & require an external 5pF capacitor in parallel. The 10.7MHz coils have an internal 47pF capacitor & require an external 5pF capacitor in parallel.

Order No	Description	Each
7P-10.7	10.7MHz TOKO 119LC-470073NO	\$2.20
7P-455	455kHz TOKO 7LC-352713NO <b>Use Xicon IFT455/01 Below</b>	NLA

### XICON 455kHz IF TRANSFORMERS



Suitable for 455kHz IF transformers, & FM Quadrature coil. 455kHz coils have an internal 180pF capacitor & require an external 5pF capacitor in parallel.

Order No	Description	Each
IFT455/01	455kHz 50k : 500R Ratio 22:1 7mm 1st IF Yellow, 180pF external C	\$2.80

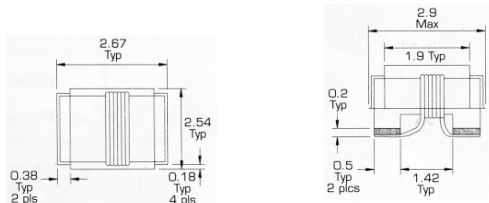
### TOKO 7KL/7KKL SHIELDED COILS

The 7KL/7KKL is a high stability spiral wound coil ideal for Low Frequency VCO or XTAL Oscillator applications. These Coils are used as an Oscillator Tank coil in some Kits. All coils have a +/- 6% tuning range. The 270nH Coils are suitable as a input matching coil for the SA605/615 etc FM I/F Demodulator.

Order No	Description	Each
7KL-15uH	15uH +/- 6% 5.5-6.5MHz Osc	\$2.20
7KKL-270nH	270uH 45MHz FM I/F	\$2.20

## INDUCTORS

### VISHAY / Fastron / KOA / BOURNS



A range of wirewound HY-Q SMD Coils suitable for RF decoupling & filtering to 6GHz. Coil sizes available have been chosen for the highest Q for the values. Sizes are 0805 for the low value inductances, through to the larger 1008/1206/1812 sizes.

Order No	Description	SRF/MHz	Each
L2n2	2.2nH 0805 Coil Vishay	6000	\$0.55
L2n7	2.7nH 0805 Coil Vishay	6000	\$0.55
L3n3	3.3nH 0805 Coil Fastron	6000	\$0.80
L4n7	4.7nH 0805 Coil Bourns	6000	\$0.55
L5n6	5.6nH 0805 Coil Vishay	5800	\$0.55
L6n8	6.8nH 0805 Coil Fastron	5500	\$0.55
L10n	10nH 1206 Coil Vishay	4300	\$0.65
L12n	12nH 1206 Coil Vishay	3600	\$0.55
L15n	15nH 0805 Coil Fastron	3400	\$0.65
L18n	18nH 1206 Coil KOA Speer	2500	\$1.60
L22n	22nH 1206 Coil Vishay	2500	\$0.55
L33n	33nH 1206 Coil Bourns	1600	\$0.55
L39n	39nH 1206 Coil Vishay	1500	\$0.55
L47n	47nH 1206 Coil Vishay	1500	\$0.45
L56n	56nH 1206 Coil Vishay	1200	\$0.55
L68n	68nH 1206 Coil Vishay	1300	\$0.55
L82n	82nH 1008 Coil KOA Speer	1000	\$1.10
L100n	0.1uH 1008 Coil Vishay	1100	\$0.55
L120n	0.12uH 1008 Coil KOA Speer	825	\$1.45
L150n	0.15uH 1008 Coil Bourns	850	\$0.55
L180n	0.18uH 1008 Coil Bourns	750	\$0.55
L220n	0.22uH 1206 Coil Vishay	730	\$0.55
L270n	0.27uH 1008 Coil Vishay	650	\$0.55
L330n	0.33uH 1206 Coil Fastron	570	\$0.75
L390n	0.39uH 1008 Coil Fastron	500	\$0.75
L470n	0.47uH 1206 Coil Vishay	480	\$0.55
L560n	0.56uH 1206 Coil Coilcraft 440		\$0.55
L680n	0.68uH 0805 Coil Fastron	600	\$0.55
L820n	0.82uH 1206 Coil Coilcraft	360	\$0.55
L1.0u/2	1.0uH 0805 Coil Vishay	480	\$0.30
L1.0u	1.0uH 1206 Coil Vishay	310	\$0.55

## INDUCTORS

### TOKO LL2012 SMD CHIP INDUCTORS

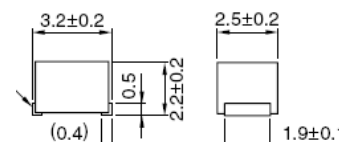


LL2012

Multilayer Ceramic 0805 SMD Coils suitable for various high frequency electronic circuits. All coils are 2.0mm long x 1.25mm wide. All have a Q between 20 & 40

Order No	Description	SRF/MHz	Each
L4n7	4.7nH SMD Coil	4500	\$1.20
L82n	82nH SMD Coil	850	\$1.20

### TDK NLV32 SMD CHIP INDUCTORS



Standard general purpose 1008 SMD Coils suitable for various low frequency electronic circuits. All coils are approx 2.5mm long x 2.0mm wide. All have a Q between 20 & 30

Order No	Description	SRF/MHz	Case	Each
L0.068u/1210	68nH 450mA	850	1210	\$0.65
L1.5uH	1.5uH SMD Coil	130		\$0.95
L5.6u/1008	5.6uH SMD Coil	55	1008	\$0.70
L10u/1210	10uH 150mA	30	1210	\$0.45
L68u/1210	68uH 50mA	12	1210	\$0.55
L00u/1210 NEW!	100uH 150mA	8	1210	\$1.45

### XICON 1812 WOUND CHIP INDUCTORS

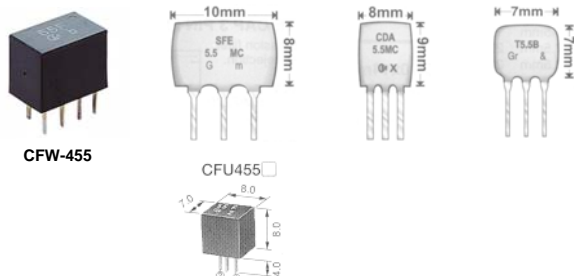


Standard general purpose 1812 wirewound SMD Coils suitable for RF Filters. Q is around 50

Order No	Description	SRF/MHz	Each
L2.2/1812	2.2uH SMD Coil	55	\$0.85
L3.3/1812	3.3uH SMD Coil	45	\$0.85
L15/1812	15uH SMD Coil	17	\$0.85

## FILTERS

### CERAMIC FILTERS /DISCRIMINATORS/TRAPS



We Stock a range of Low cost ceramic Filters which are mostly direct replacement types for the TOKO Brand. Replacement types may have different suffix letters, CFU may be marked LTU, SFE may be marked CD or L, T may be marked X . The numbers after the suffix are normally the same.

Order No	Description	Each	5+
CFU455B2	Ceramic Bandpass Filter, 455kHz BW +/-15kHz (-6dB), 1.5Kohm	\$2.60	\$2.34
CFU455D2	Ceramic Filter, 455kHz BW +/-10kHz (-6dB), 1.5Kohm	\$2.60	\$2.34
CFU455E2	Ceramic Filter, 455kHz BW +/-7.5kHz (-6dB), 1.5Kohm	\$2.60	\$2.34
CFW455F	Ceramic Filter, 455kHz BW +/-6kHz (-6dB), 2Kohm	\$2.60	\$2.34
CFW455HT	Ceramic Filter, 455kHz BW +/-3kHz (-6dB), 2Kohm	\$2.60	\$2.34
CFW455IT	Ceramic Filter, 455kHz BW +/-2kHz (-6dB), 2Kohm	\$2.60	\$2.34
SFE5.5MB	Ceramic Filter, 5.5MHz BW +/-50kHz (-3dB), 600ohm	\$2.60	\$2.34
SFE6.0MB	Ceramic Filter, 6.0MHz BW +/-50kHz (-3dB), 600ohm	\$2.60	\$2.34
SFE6.5MB	Ceramic Filter, 6.5MHz BW +/-50kHz (-3dB), 600ohm	\$2.95	\$2.34
SFE10.7MS2	Ceramic Filter, 10.7MHz BW 230kHz (-3dB), 330ohm	\$2.10	\$1.90
SFE10.7MS5	Ceramic Filter, 10.7MHz BW 330kHz (-3dB), 330ohm	\$1.10	-
T5.5B	Notch Bandstop Filter, 5.5MHz BW 70kHz (-3dB)	\$2.60	\$2.34
T6.0B	Notch Bandstop Filter, 5.5MHz BW 70kHz (-3dB)	\$2.60	\$2.34

For Ceramic Resonators Please see the Crystal catalogue section 4.

## FILTERS / CHOKES

### MINI-CIRCUITS CERAMIC FILTERS



Minicircuits Ceramic 1206 SMD filters suitable for various high frequency RF circuits. All filters are rated to a maximum of 7W RF input.

Order No	Description	Each	5+
HFCN-1200+	50ohm Ceramic High Pass Filter, 1220 to 4600MHz <2dB	\$3.25	
HFCN-2100+	50ohm Ceramic High Pass Filter, 2200 to 6000MHz <2dB	\$3.90	

Please see the [www.minicircuits.com](http://www.minicircuits.com) for more information

### RF CHOKES



All Epoxy coated RF chokes are molded axial lead. Most inductors are 3.5x10mm in size with new types 2x7mm. Some specifications are not available below.

Order No	Description	Q	I/mA	SRF/MHz	1+ Each	5+ Each
RFC0.18uH	0.18uH	20	1150	380	\$0.75	\$0.50
RFC1.0u	1.0uH	40	815	180	\$0.75	\$0.50
RFC1.5uH	1.5uH	40	570	150	\$0.75	\$0.50
RFC1.8uH	1.8uH	50	655	125	\$0.75	\$0.50
RFC2.2u	2.2uH	-	-	-	\$0.75	\$0.50
RFC3.3uH	3.3uH	40	420	110	\$0.75	\$0.50
RFC4.7u	4.7uH	-	-	-	\$0.75	\$0.50
RFC10u	10uH	-	-	-	\$0.75	\$0.50
RFC22u	22uH	-	-	-	\$0.75	\$0.50
RFC33u	33uH	-	-	-	\$0.75	\$0.50
RFC47u	47uH	-	-	-	\$0.75	\$0.50
RFC100u	100uH	-	-	-	\$0.75	\$0.50
RFC1.0mH	1mH	-	-	-	\$0.75	\$0.50
RFC1.5mH	1.5mH	40	100	1.25	\$0.75	\$0.50

## FILTERS

### PIPECAP MICROWAVE CAVITY FILTERS



Suitable for building Oscillator Multipliers & transverters etc from 2.4 – 10GHz. These are available in copper along with Plated Brass M4 tuning screws & M4 lock nuts. PCB pins for the probes are not supplied.

**WE COULD NOT GET COPPER PIPECAPS IN AUSTRALIA, SO WE IMPORTED THEM FROM THE U.S.A. PLEASE NOTE PIPECAPS ARE ONLY AVAILABLE IN LOW QUANTITY FOR HOBBY USE.**

Order No	Description	Each
PIPECAP 1/2"	1/2 Inch id Copper Pipecap Inside Dimensions mm H9.8 W13 For 8—12GHz Filters	\$1.90
PIPECAP 5/8"	5/8" id Copper Pipecap Inside Dimensions mm H15 W15.9 For 4—7.5GHz Filters	\$1.90
PIPECAP 3/4"	3/4inch id Copper Pipecap For 3.5—7GHz Filters Inside Dimensions mm H16.7 W19	\$2.10
PIPECAP 7/8"	7/8" id Copper Pipecap Inside Dimensions mm H22 W22.3 For 2.7 - 4GHz Filters	\$2.20
PIPECAP 1 1/8"	1/1/8 Inch id Copper Pipecap Inside Dimensions mm H24 W28.6 As used in the W1GHZ 2.4 & 3.4GHz Transverters	\$3.00

Please Note: That the frequency ranges above are affected by the probe lengths that are used. Longer probe lengths will not allow the filter to tune as high in frequency as using shorter probes. There has been much confusion on Pipecap sizes that are mentioned in projects like the W1GHZ Transverter etc. Many pipecap sizes that manufacturers advertise, are the actual inside diameter of the copper pipe end that they are going to be fitted over. This is a standard in the Refrigeration industry. So a 1/2 Nibco pipecap is for 1/2" i.d. copper pipe but this pipecap actually has a i.d. of 5/8", ( 15.9mm ).The more important dimension is the height of the pipecap, & this determines the tuning bolts maximum length & the lowest frequency it can tune.

W1GHZ	1/2"	Use Mini-Kits	PIPECAP 5/8"
	3/4"	Use Mini-Kits	PIPECAP 7/8"
	1"	Use Mini-Kits	PIPECAP 1 1/8"
	10/32 Bolt	Use Mini-Kits	BOLT 18 with 2x NUT10

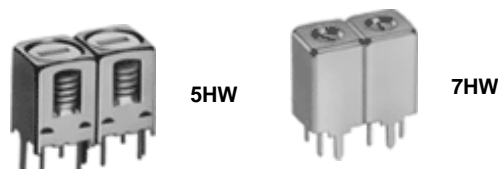
**REFER TO THE EXCELLENT ARTICLE PIPE-CAP FILTERS REVISED ON THE [www.w1ghz.org](http://www.w1ghz.org) website**



Pipecaps are not easily tapped due to the thickness of the copper. So you can either tap the threads yourself & use a single nut to lock the bolts or, drill the Pipecaps to a M4 size hole, & use one M4 Nut soldered to the top of the pipecap. If you have enough bolt length then a second nut can be used to lock the bolt. If you want to use two nuts on the 1/2" pipecap, then use the 20mm bolts, or for 3/4" pipecaps use the 25mm bolts. **M5x30mm Bolts are now in stock to suit the 7/8" & 1 1/8" Pipecaps.**

Order No	Description	Each
BOLT28	M4x16mm Pan Head Nickel Brass Used with 1/2" Pipecaps with 2 x NUT04	\$0.45 ea
BOLT12	M4x20mm Pan Head Nickel Brass Used with 3/4" Pipecaps with 1 x NUT04 Used with 1/2" Pipecaps with 2 x NUT04	\$0.45 ea
BOLT15	M4X25mm Pan Head Nickel Brass Used with 3/4" Pipecaps with 2 x NUT04	\$0.65ea
BOLT18	M5X30mm Pan Head Nickel Brass Used with 7/8 & 1 1/8" Pipecaps with 2 x NUT10 Close to 10/32 bolts used in the W1GHZ	\$1.20ea
NUT04	M4 Nickel Plated Brass	\$0.16 ea
NUT10	M5 Nickel Plated Brass	\$0.30ea

### TOKO HELICAL FILTERS



**These TOKO Helical filters are 50ohms In & Out, & are suitable as bandpass filters or multiplier filters. They are used in the 432 & 1296MHz Transverter Kits.**

Order No	Description	Each
252MXP2537A	Tuning Range 430-450MHz, BW 10.5MHz@-1dB, loss 3dB maximum	<b>NLA</b>
367MN-110A	Tuning Range 1100-1160MHz, BW 18MHz@-1dB, loss 3.5dB maximum	<b>\$9.50</b>
367MN-113F	Tuning Range 1270-1340MHz, 25MHz@-1dB, loss 3.5dB maximum	<b>\$7.45</b>

**Please note that these are no longer manufactured by Toko, & we are attempting to find another source.**