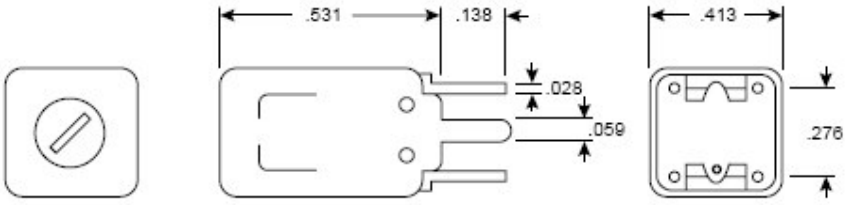
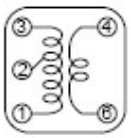
42IF100



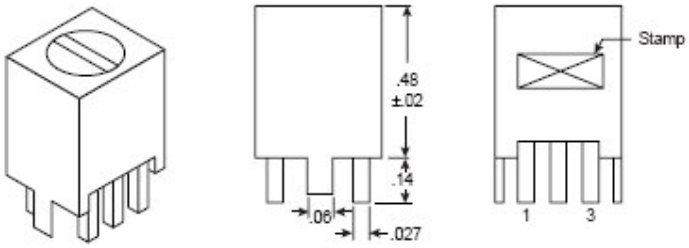


Schematic

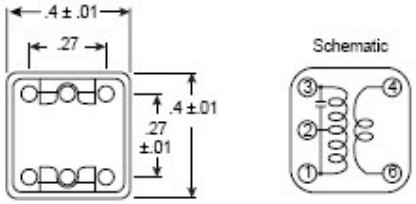
Dimensions (In.)

Specifications:

- Frequency: 796kHz
- Inductance 1-3: 360µH @ 455kHz
- Unloaded Q 1-3: 80 min.
- Turns: 1-2: 104, 2-3: 3, 1-3: 107, 4-6: 8
- Dielectric strength: 100VDC for 1 minute
- Insulating resistance: 100MΩ @ 100VDC



Dimensions (In.)

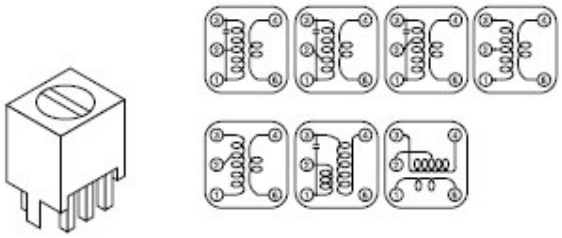


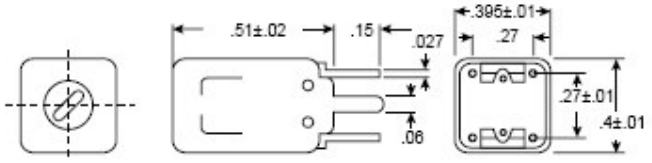
Specifications:

- Type: Sub-miniature
- Mounting: PC

Mouser Stock No.	Application (Typical) (IF)	Impedance		Unload Q Value	Tuning Capacitance	Inductance	Turns			Cap Color
		Pri.	Sec.				(1-2)	(2-3)	(4-6)	
Center Frequency: 455KHz ±3%										
42IF101	1st	60KΩ	600Ω	80±20%	180PF+5pF (ext.)	680uH	70	87	7	Yel
42IF102	2nd	30KΩ	500Ω	80±20%	180PF+5pF (ext.)	680uH	98	57	7	White
42IF103	3rd	20KΩ	6KΩ	75±20%	180PF+5pF (ext.)	680uH	103	50	27	Black
Center Frequency: 10.7MHz ±3%										
42IF122	2nd & 3rd	15KΩ	300Ω	80 min.	47PF+5pF (ext.)	4.5uH	7	7	1	Brown
42IF123	1st	25KΩ	4KΩ	95±20%	47PF+5pF (ext.)	4.5uH	5	9	2	Green
42IF129	2nd & 3rd	15KΩ	100Ω	100±20%	30PF	7.4uH	12	6	1	Black

42IF104

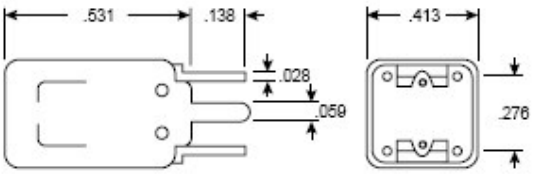


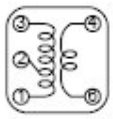


Specifications:

- Frequency: 455KHz ±3% variable
- Turns: 1-2: 82, 2-3: 74, 1-3: 156, 4-6: 7
- Q: 80±20%
- L (or C): 180pF (ext.)
- Impedance: Primary 50K, Secondary 500
- Cap color: Yellow
- Test voltage: 100VAC for 1 minute
- Insulation resistance: Over 100MΩ @ 100VDC
- Application: 1st IF

42IF106





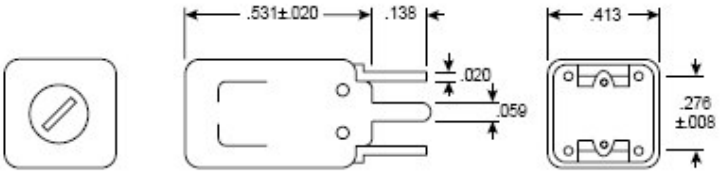
Schematic

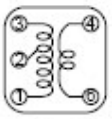
Dimensions (In.)

Specifications:

- Center frequency: 455kHz
- Primary impedance: 20KΩ
- Secondary impedance: 5KΩ
- Loaded Q: 35±20%
- Unloaded Q: 75±20%
- Tuning capacitance: 180pF
- Turns: 1-2: 103, 2-3: 50, 4-6: 27
- Inductance (1-3): 680µH

42IF123





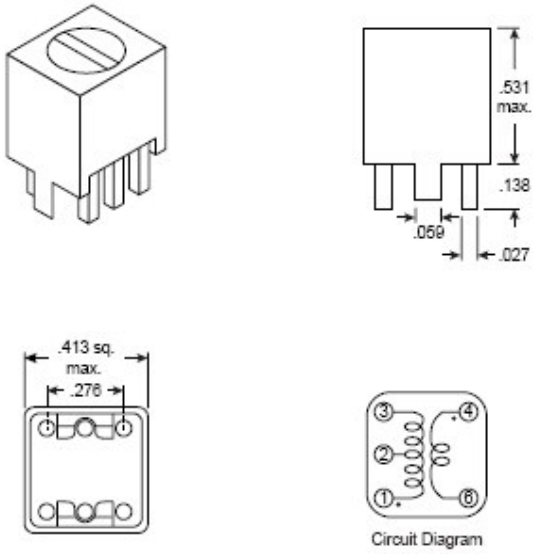
Schematic

Dimensions (In.)

Specifications:

- Center frequency: 796kHz
- Primary impedance: 15KΩ
- Secondary impedance: 300Ω
- Unloaded Q: 80±20%
- Inductance: 4.3µH
- Turns: 1-2: 7, 2-3: 7, 4-6: 1

42IF110



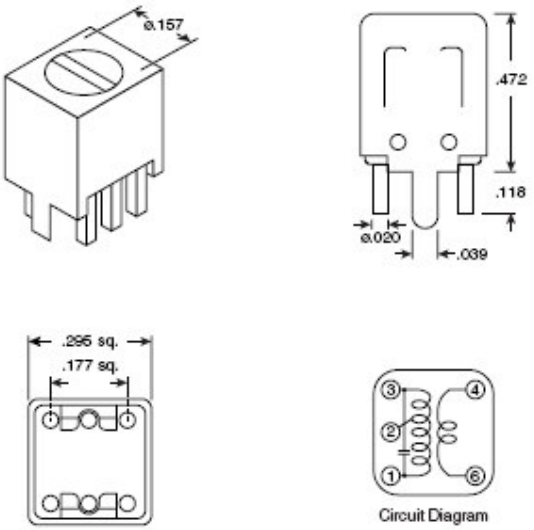
Circuit Diagram

Dimensions (In.)

Specifications:

- Type: PC mount subminiature IF
- Center frequency: 796KHz
- Q value: 80 min.
- Inductance: 360μH±6%
- Turns: 1~2(105), 2~3(2), 4~6(3)

42IF200



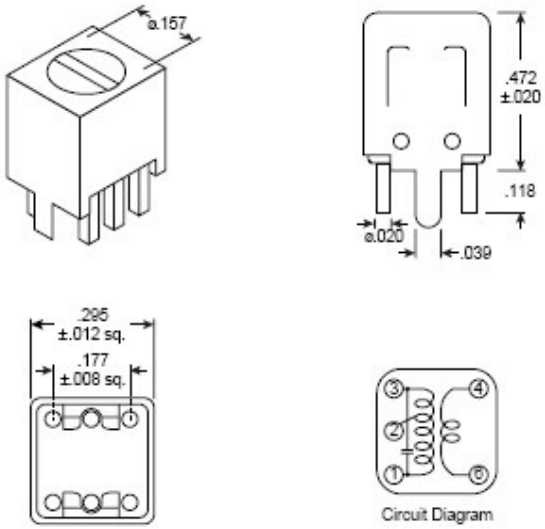
Circuit Diagram

Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature oscillator transformer
- Q value: 35±20% (loaded), 70±20% (unloaded)
- Center frequency: 455KHz
- Impedance: 20KΩ (primary), 5KΩ (secondary)
- Tuning capacity: 180pF±10%
- Dielectric strength: 100VDC for 1 minute
- Insulating resistance: 100MΩ (min.) @ 100VDC
- Soldering temperature: 250°C for 5 seconds
- Core torque: 50g-cm ~ 350g-cm
- Terminal strength: 0.5Kg for 1 minute
- Turns: 135 (pins 1~2), 46 (pins 2~3), 22 (pins 4~6)
- Screw color: red

42IF201



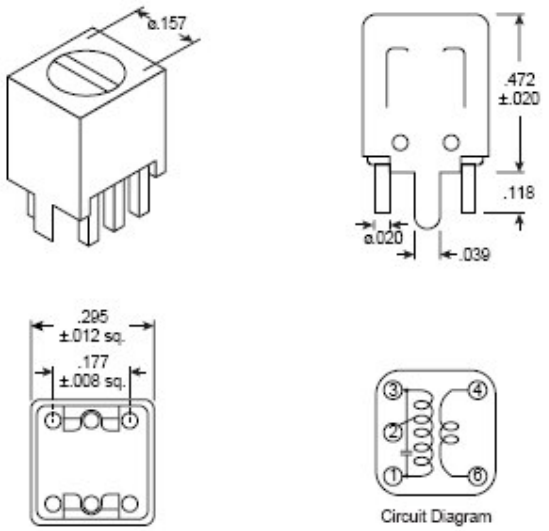
Circuit Diagram

Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature IF
- Center frequency: 455Khz ±3%
- Primary impedance: 50KΩ
- Secondary impedance: 500Ω
- Tuning capacitance: 180pF external
- Loaded Q value: 35±20%
- Unloaded Q value: 70±20%
- Dielectric strength: 100VDC for 1 minute
- Insulating resistance: 100MΩ (min.) @ 100VDC
- Soldering temperature: 250°C for 5 seconds
- Temperature coeffieient: 250ppm/°C
- Temperature range: -10°C ~ +60°C
- Turns: 104 (pins 1~2), 76 (pins 2~3), 8 (pins 4~6)
- Screw color: yellow

42IF202



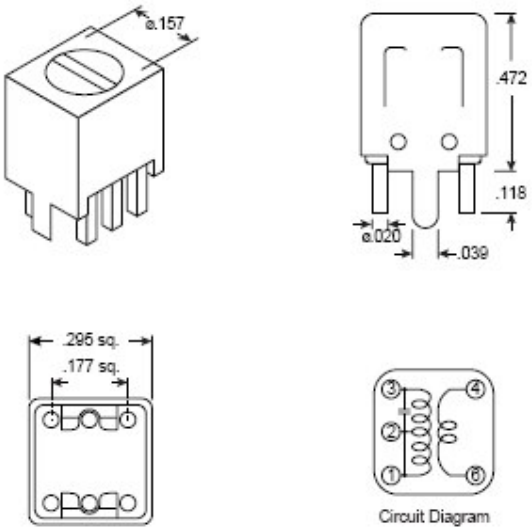
Circuit Diagram

Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature IF
- Center frequency: 455Khz
- Primary impedance: 30KΩ
- Secondary impedance: 500Ω
- Tuning capacitance: 180pF±10%
- Loaded Q value: 35±20%
- Unloaded Q value: 70±20%
- Frequency variable: 455KHz ±4%
- Temperature coeffecient: 250ppm/°C
- Temperature range: -10°C ~ +60°C
- Turns: 121 (pins 1~2), 59 (pins 2~3), 8 (pins 4~6)
- Screw color: white

42IF222

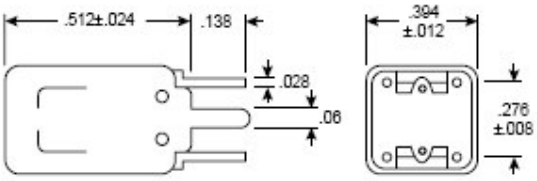


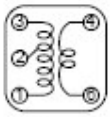
Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature IF
- Center frequency: 10.7Mhz ±3%
- Primary impedance: 1KΩ
- Secondary impedance: 300Ω
- Tuning capacitance: 47pF
- Internal capacitance: 430pF max.
- Unloaded Q value: 85±20%
- Turns: 9(pins 1~2), 8(pins 2~3), 2(pins 4~6)

42IF300





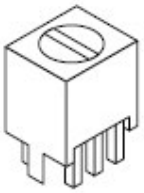
Schematic

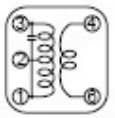
Dimensions (In.)

Specifications:

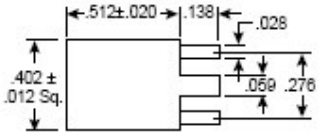
- Inductance: (1-3) 360µH±8%
- Unloaded Q: 80 min.
- Stray capacitance: 8.0pF max.
- Frequency: 796 kHz
- Turns: 1-2: 92, 2-3: 3, 4-6: 9

42IF301 ..2 ..3





Schematic



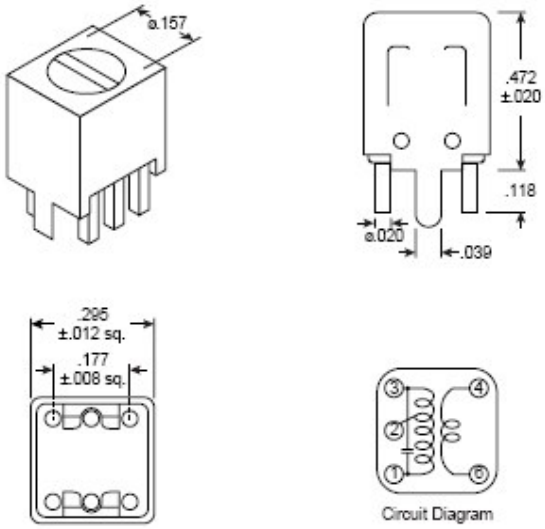
Dimensions (In.)

Specifications:

- Type: sub-miniature PC mounting
- Loaded Q: 35 ± 20%
- Unloaded Q: 75 ± 20%
- Tuning capacity: 180pF ± 10%
- Dielectric strength: 100VDC for 1 minute

Mouser Stock No.	Impedance Pri : Sec	Application (Typical)	Cap Color	Turns Ratio		
				1-2	2-3	4-6
42IF301	50K : 500	1st IF	Yellow	77	66	7
42IF302	30K : 500	2nd IF	White	95	48	7
42IF303	20K : 5K	3rd IF	Black	102	41	21

42IF203

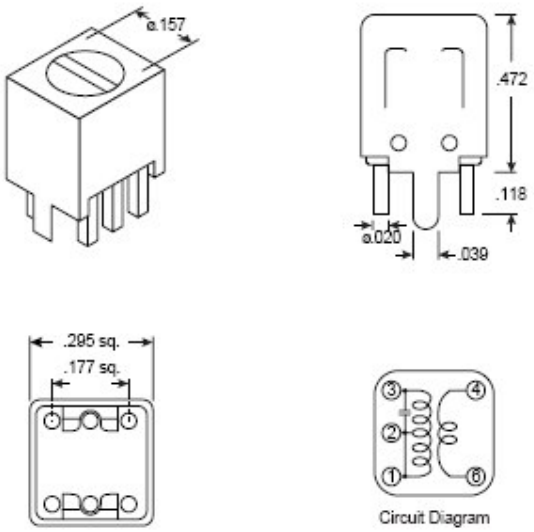


Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature IF
- Center frequency: 455KHz
- Primary impedance: 20KΩ
- Secondary impedance: 5KΩ
- Tuning capacitance: 180pF
- Loaded Q value: 35±20%
- Unloaded Q value: 70±20%
- Dielectric strength: 100VDC for 1 minute
- Insulating resistance: 100MΩ (min.) @ 100VDC
- Soldering temperature: 250°C for 5 seconds
- Winding ratio:
  primary & secondary: 10:1
  center tap & ends of primary: 3:1
- Temperature coeffecient: 250ppm/°C
- Temperature range: -10°C ~ +60°C
- Frequency variable: 455KHz±4%

42IF223



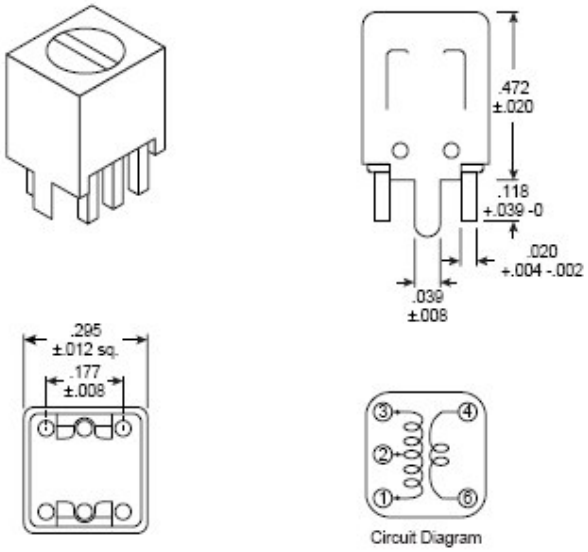
Circuit Diagram

Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature IF
- Center frequency: 10.7Mhz ±3%
- Primary impedance: 25KΩ
- Secondary impedance: 1KΩ
- Tuning capacitance: 47pF external
- Unloaded Q value: 80±20%
- Turns: 11(pins 1~2), 6(pins 2~3), 2(pins 4~6)

42IF224



Dimensions (In.)

Specifications:

- Type: PC mount micro-miniature IF
- Center frequency: 10.7Mhz ±3%
- Primary impedance: 15KΩ
- Secondary impedance: 300Ω
- Tuning capacitance: 47pF external
- Internal capacitance: 430pF max.
- Unloaded Q value: 85±20%
- Inductance 1~2: 4.7µH @ 7.96Mhz
  4~6: .18µH @ 25.2Mhz
- Turns: 9(pins 1~2), 8(pins 2~3), 2(pins 4~6)