

# THRU-HOLE VARIABLE INDUCTORS

SMI

## REFERENCE SPECIFICATIONS

| MODEL      | DRAWING | CORE | SPECS                                                                                                                                                                                  |
|------------|---------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4T</b>  |         |      | <p>Operating Frequency Range : 400MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 10 \mu H</math></p> <p>Variable Range of L : <math>L \pm 3\%</math> min.</p>                       |
| <b>4J</b>  |         |      | <p>Operating Frequency Range : 400MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 15 \mu H</math></p> <p>Variable Range of L : <math>L \pm 5\%</math> min.</p>                       |
| <b>4K</b>  |         |      | <p>Operating Frequency Range : 20MHz max.</p> <p>Inductance : <math>1 \mu H \sim 700 \mu H</math></p> <p>Variable Range : <math>L \pm 2\%</math> min. <math>f \pm 1\%</math> min.</p>  |
| <b>5TD</b> |         |      | <p>Operating Frequency Range : 400MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 30 \mu H</math></p> <p>Variable Range of L : <math>L \pm 10\%</math> min.</p>                      |
| <b>5TS</b> |         |      | <p>Operating Frequency Range : 400MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 10 \mu H</math></p> <p>Variable Range of L : <math>L \pm 5\%</math> min.</p>                       |
| <b>5J</b>  |         |      | <p>Operating Frequency Range : 400MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 30 \mu H</math></p> <p>Variable Range of L : <math>L \pm 5\%</math> min.</p>                       |
| <b>5KS</b> |         |      | <p>Operating Frequency Range : 30MHz max.</p> <p>Inductance : <math>1 \mu H \sim 2mH</math></p> <p>Variable Range : <math>L \pm 5\%</math> min. <math>f \pm 2.5\%</math> min.</p>      |
| <b>5KL</b> |         |      | <p>Operating Frequency Range : 20 MHz max.</p> <p>Inductance : <math>1 \mu H \sim 700 \mu H</math></p> <p>Variable Range : <math>L \pm 3\%</math> min. <math>f \pm 2\%</math> min.</p> |

# THRU-HOLE VARIABLE INDUCTORS

SMI

## REFERENCE SPECIFICATIONS

| MODEL       | DRAWING | CORE | SPECS                                                                                                                                                                            |
|-------------|---------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7J</b>   |         |      | <p>Operating Frequency Range : 150MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 30 \mu H</math></p> <p>Variable Range of L : <math>L \pm 10\%</math> min.</p>                |
| <b>7KE</b>  |         |      | <p>Operating Frequency Range : 20MHz max.</p> <p>Inductance : <math>1 \mu H \sim 2mH</math></p> <p>Variable Range : <math>L \pm 10\%</math> min. <math>f \pm 5\%</math> min.</p> |
| <b>7CP</b>  |         |      | <p>Operating Frequency Range : 20MHz max.</p> <p>Inductance : <math>1 \mu H \sim 2mH</math></p> <p>Variable Range : <math>L \pm 10\%</math> min. <math>f \pm 5\%</math> min.</p> |
| <b>10J</b>  |         |      | <p>Operating Frequency Range : 150MHz max.</p> <p>Inductance : <math>0.1 \mu H \sim 100 \mu H</math></p> <p>Variable Range of L : <math>L \pm 10\%</math> min.</p>               |
| <b>10KA</b> |         |      | <p>Operating Frequency Range : 20MHz max.</p> <p>Inductance : <math>1 \mu H \sim 2mH</math></p> <p>Variable Range : <math>L \pm 10\%</math> min. <math>f \pm 5\%</math> min.</p> |
| <b>10KM</b> |         |      | <p>Operating Frequency Range : 500kHz max.</p> <p>Inductance : <math>10mH \sim 30mH</math></p> <p>Variable Range : <math>L \pm 10\%</math> min. <math>f \pm 5\%</math> min.</p>  |

Versatile Models  
Various Sizes  
Diversified Specs

| Part Numbering Guide     |                     |
|--------------------------|---------------------|
| P/N                      | 5KS - 1M - 4P - 20M |
| Model                    | 5KS                 |
| Inductance               | 1M                  |
| S = $\mu H$<br>M = mH    |                     |
| Variable Range(%)        | 4P                  |
| Operating Frequency(MHz) | 20M                 |



1130 Vienna, Austria  
Lilienberggasse 13  
Tel.: +43-1-403 08 12  
Fax: +43-1-408 72 13  
e-mail: info@knap.at  
http://www.knap.at