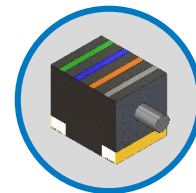




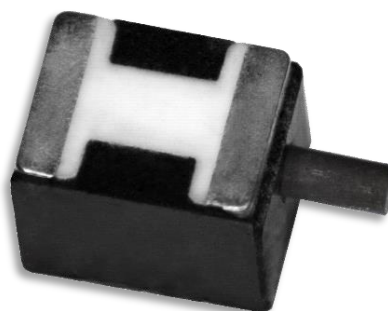
PKV Series Tunable Inductors



The Piconics PKV series is a surface mount slide core tunable inductor. The PKV provides a rectangular shape easily handled by automatic equipment for assembly into thick or thin film circuitry.

Applications:

- Military Radar
- Confined Spaces
- MW TXRX Modules
- Printed Circuit Boards
- Tuned Circuit Assemblies

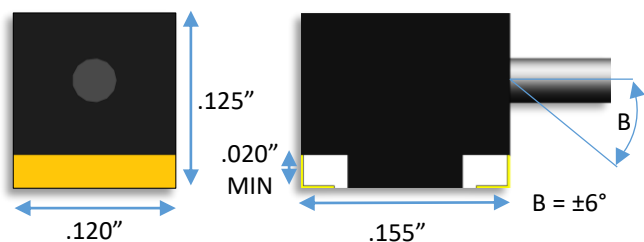


Features:

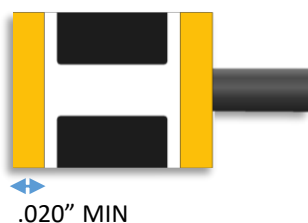
- Edge Plating
- Slide Core Tunable
- Reflow Compatibility
- Welded Internal Connections
- Metallization on Contact Area
- Interlocked Ceramic Substrate

Mechanicals:

Not Drawn To Scale
Dimensions in Inches



Designates Metallization



Environmental:

Operating Temp.	-55°C to +125°C
Storage Temp.	-55°C to +125°C
Dielectric Withstanding Voltage:	Method 301 of MIL-STD-202, Test voltage 200 volts rms.
Barometric pressure:	Method 105, test condition C of MIL-STD202, (70,000 feet), test voltage 200 volts rms.

Physical Characteristics:

Terminations	Alumina substrate base gold plated over nickel; Welded internal connection
Case	Black Epoxy



www.piconics.com

ISO 9001:2015

Established 1963

26 Cummings Road | Tyngsboro, MA 01879 | P: 978-649-7501 | sales@piconics.com



Rev A-2021

PKV Series Inductor Specifications						
Part Number	L Range μH	Q Min @ Lmax	Test Freq. MHz	SRF Min MHz	DCR @ 25°C Max Ohms	Idc Max ma
PKV160-8I	.012 – .016	50	200	1200	.05	250
PKV250-8I	.020 – .025	50	200	1050	.10	250
PKV510-8I	.036 – .051	40	100	740	.19	250
PKV760-8I	.054 – .076	40	100	600	.30	250
PKV101-8I	.071 – .10	30	25	530	.48	250
PKV131-8I	.093 – .13	30	25	525	.51	200
PKV151-8I	.107 – .15	30	25	500	.52	200
PKV181-8I	.128 – .18	30	25	470	.61	180
PKV221-8I	.157 – .22	30	25	400	.67	180
PKV271-8I	.193 – .27	30	25	350	.75	180
PKV331-8I	.236 – .33	30	25	320	.90	140
PKV371-8I	.27 – .37	30	25	275	.93	140
PKV471-8I	.336 – .47	30	25	255	.97	100
PKV561-8I	.40 – .56	30	25	230	1.1	100
PKV681-8I	.485 – .68	30	25	190	1.2	100
PKV761-8I	.565 – .76	30	25	170	1.3	100
PKV821-8I	.586 – .82	30	25	150	1.3	100
PKV951-8I	.678 – .95	30	25	145	1.4	100
PKV102-6I	.666 – 1.0	25	7.9	140	1.5	100
PKV152-6I	1.0 – 1.5	25	7.9	110	1.5	100
PKV222-6I	1.47 – 2.2	25	7.9	100	2.1	80
PKV272-6I	1.8 – 2.7	25	7.9	89	2.4	75
PKV332-6I	2.2 – 3.3	25	7.9	77	2.7	65
PKV472-6I	3.13 – 4.7	25	7.9	49	3.3	60
PKV582-6I	3.87 – 5.8	25	7.9	38	4.2	58
PKV682-6I	4.53 – 6.8	25	7.9	36	4.5	55
PKV822-6I	5.47 – 8.2	25	7.9	21	4.5	55
PKV103-3F	6.0 – 10	25	2.5	20	4.5	55
PKV133-3F	6.5 – 13	25	2.5	19	4.5	53
PKV163-3F	8.0 – 16	25	2.5	16	5.1	50
PKV203-3F	10 – 20	25	2.5	14	5.3	43
PKV223-3F	11 – 22	25	2.5	12	6.0	43
PKV303-3F	15 – 30	25	2.5	11	6.7	40
PKV363-3F	18 – 36	25	2.5	10	7.5	40
PKV473-3F	24 – 47	25	2.5	6.5	8.5	39
PKV563-3F	28 – 56	25	2.5	6.3	10	35
PKV683-3F	34 – 68	25	2.5	6.2	12	30
PKV753-3F	38 – 75	25	2.5	5.9	13	30
PKV863-3F	43 – 86	25	2.5	5.6	15	28
PKV104-3F	50 – 100	20	.79	5.3	18	27

Contact Piconics



www.piconics.com

ISO 9001:2015

Established 1963

26 Cummings Road | Tyngsboro, MA 01879 | P: 978-649-7501 | sales@piconics.com



Rev A-2021