

Tunables and Transformers

G Series Data Sheet

Piconics G Series provides a low cost alternative to the screw adjustable inductor application. The core is slide tuned and may be fixed in place with epoxy without affecting the inductance value. The G series device has flexible ribbon leads and may be welded or soldered into circuits or on to thin film and thick film substrates. The body of the device should be epoxied to substrate for support. Several core materials are available and each core material has different electrical properties. The part is conservatively rated so that production quantities will not contain parts beyond the limit (max. or min.) values. Natural (Copper wire) leads are also available in this series.

FEATURES:

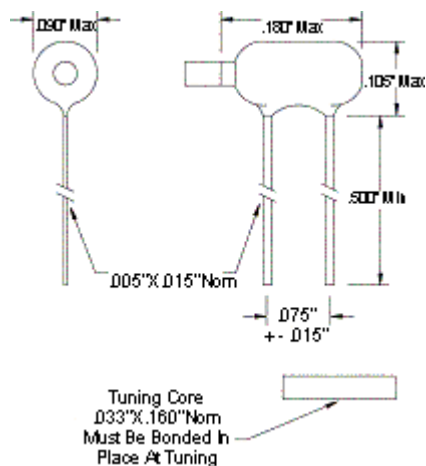
- Slide Tunable
- High Packing Density
- Low Cost.
- Low Volume

ABSOLUTE MAXIMUM RATINGS:

- Operating temperature: -55° C to +125° C
- Storage temperature: -55° C to +125° C
- Temperature rise (at 90° C): 35° C
- Maximum operating temperature: 125° C

PHYSICAL CHARACTERISTICS:

- Termination: Flexible Ribbon Leads
- Conformal Coated Epoxy



Part number	Lmax μH	Lmin μH	QMin at Lmax	Test Freq Mhz	DCR Max Ohms	Idc Max mA	SRF min MHZ
G250-81	.025	.018	50	200	.07	250	1000
G760-81	.076	.054	40	100	.20	250	615
G101-81	.10	.071	30	25	.32	250	500
G151-81	.15	.11	30	25	.35	250	400
G221-81	.22	.16	30	25	.45	180	400
G271-81	.27	.19	30	25	.50	180	400
G331-81	.33	.24	30	25	.60	140	320
G471-81	.47	.34	30	25	.65	100	290
G561-81	.56	.40	30	25	.75	100	250
G681-81	.68	.49	30	25	.85	140	2400
G821-81	.82	.59	30	25	.90	130	150
G102-81	1.0	.67	25	7.9	.98	100	140
G152-81	1.5	1.0	25	7.9	1.0	100	135
G222-81	2.2	1.50	25	7.9	1.4	80	126
G272-81	2.7	1.8	25	7.9	1.6	71	60
G332-81	3.3	2.2	25	7.9	1.8	65	60
G472-61	4.7	3.2	25	7.9	2.2	60	50
G582-61	5.8	3.9	25	7.9	2.8	58	38
G682-61	6.8	4.5	25	7.9	3.0	55	36
G822-61	8.2	5.5	25	7.9	3.0	50	21
G103-3F	10	5.0	25	2.5	3.0	57	20
G133-3F	13	6.5	25	2.5	3.0	53	19
G163-3F	16	8.0	25	2.5	3.4	50	16
G203-3F	20	10	25	2.5	3.5	43	14
G223-3F	22	11	25	2.5	4.0	53	12
G303-3F	30	15	25	2.5	4.5	40	11
G363-3F	36	18	25	2.5	5.0	40	10
G473-81	47	24	25	2.5	5.7	39	6.5
G563-3F	56	28	25	2.5	7	35	6.3
G683-3F	68	34	25	2.5	8	30	6.2
G753-3F	75	38	25	2.5	9	30	5.9
G863-3F	86	43	25	2.5	10	28	5.6
G104-3F	100	50	20	0.8	12	27	5.3
G124-3F	120	60	20	0.8	14	25	4.4

G474-1F	470	235	20	0.8	30	16	2.1
G684-1F	680	340	20	0.8	35	15	2.1
G105-1F	1000	500	18	0.3	75	11	1.1