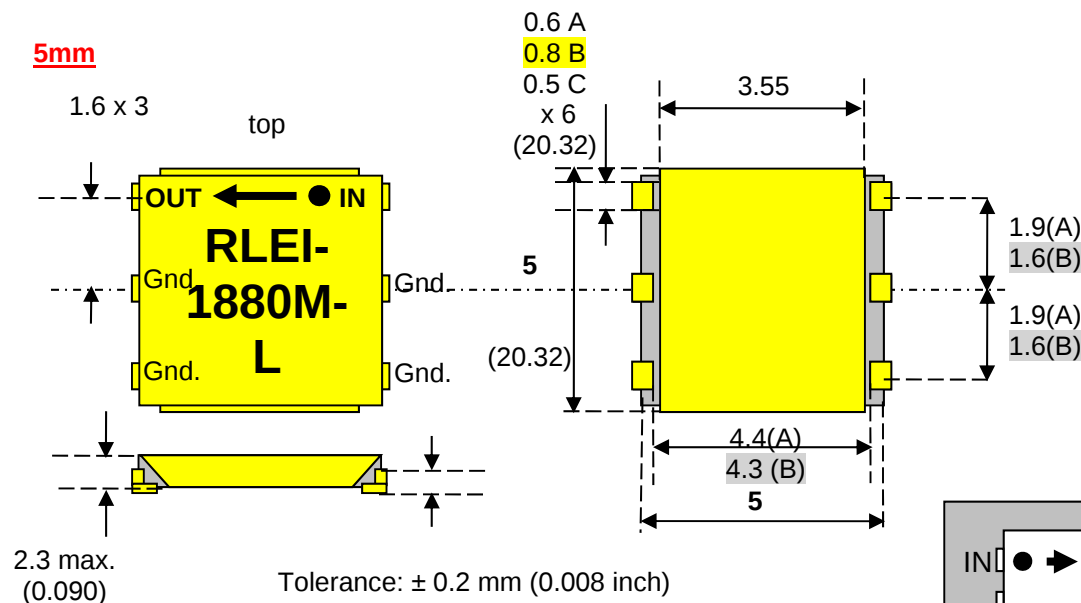


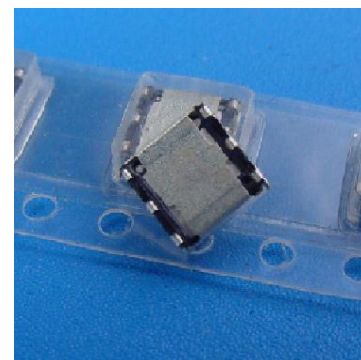
LUMPED ELEMENT ISOLATORS 5x5 mm 1 or 2 Watt Reverse

RADITEK Lumped element isolators offer a low cost inter-stage matching solution.

These are available currently in the frequency bands shown; other bands can be offered for high volume applications. They are currently manufactured in [5x5 mm in lots of 2000](#) and [7x7 mm in lots of 2500](#). Smaller quantities often available from stock



Footprint: A < 1GHz
B > 1GHz



Order as: RLEI-F1-F2M-5mm-(Reverse Power)W(L or R)

Packing: Tape and reel (2000 per reel, minimum order).

Operating temperature: -35 to +85 °C.

Storage temperature: -40 to +85 °C.

Survive 260 °C for 30 seconds (for Reflow process).

Condition for Vibration Test: -Frequency: 10~55Hz

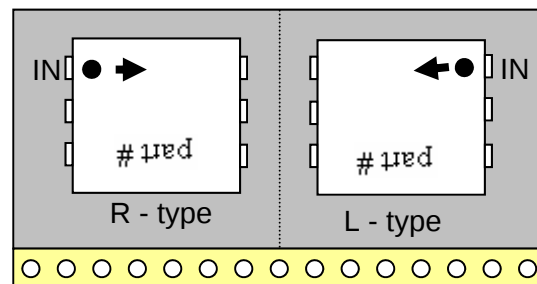
-Amplitude: 1.5mm

-X,Y,Z each 2Hr

Power Forward 5W

Power Reverse 1.0W

Approximate weight (5mm): 0.23g



Standard Packaging:

5X5mm 2000 EA and 7X7mm 2500 EA

New unit development requires a 10K piece commitment due to automated tooling and testing set up costs

Current Products (These and only these are in current production) **New**

Specifications:	Center Frequency (MHz) in production	Part Marking	Full Band width (MHz)	Band	Insertion loss dB (max.)	Isolation dB (min.)	VSWR	Fwd Power	Rev Power	Foot Print/ Prod
Part #										
RLEI-824-849M-5mm-1WL/R	836.5	G836	25	CDMA	0.8	13	1.5:1	5	1.0	A
RLEI-869-894M-5mm-1WL/R	881.5	G881	25	CDMA	0.8	13	1.5:1	5	1.0	A
RLEI-925-960M-5mm-1WL/R ud 3-10-11 was 925.5-959.5	942.5	A942 ud 3-10-11	35	EGSM	0.75 RT 0.8 OT ud 3-10-11	12 ud 3-10-11	1.5:1	5	1.0	A
RLEI-1805-1880M-5mm-1WL/R	1842	1G84	75	DCS	0.70	13	1.5:1	5	1.0	B
RLEI-1850-1910M-5mm-1WL/R	1880	1G88	60	US-PCS	0.60	15	1.5:1	5	1.0	B
RLEI-1880-1920M-5mm-2WL/R	1900	1G90	40	PCS	0.60	15	1.5:1	10	2.0	B
RLEI-1930-2000M-5mm-2WL/R	1965	1G95	70	PCS	0.85	13	1.7:1	10	2.0	B
RLEI-2110-2170M-5mm-1WL/R	2140	2G14	60	W-CDMA	0.60	15	1.5:1	5	1.0	B
RLEI-2110-2180M-5mm-2WL/R	2145	2G15	70	W-CDMA	0.90	13	1.7:1	5	2.0	B
RLEI-2300-2400M-5mm-1WL/R	2350	2G35	100	W-LAN	0.70	13	1.5:1	5	1.0	B

RLEI 5 and 7mm

Specifications may be subject to change

08/02/18

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com

Specifications:	Center Frequency (MHz) in production	Part Marking	Full Band width (MHz)	Band	Insertion loss dB (max.)	Isolation dB (min.)	VSWR	Fwd Power	Rev Power	Foot Print/ Prod
Part #										
RLEI-2400-2485M-5mm-2WL/R	2442	2G44	85	WiFi	0.80	13	1.6:1	10	2.0	B
RLEI-2620-2690M-5mm-2WL/R	2655	2G55	70		0.90	13	1.7:1	10	2.0	B
RLEI-3400-3600M-5mm-2WL/R	3500	3G50	20		1.00	10	1.8:1	10	2.0	B
RLEI-3500-3700M-5mm-2WL/R	3600	3G60	20		1.00	10	1.8:1	10	2.0	B
Weight of RLEI-5mm is 0.0005Lb, 0.0002Kg										

RLEI Stocking and Availability

RLEI Parts are designed and priced for high volume applications typically in cell phones
Parts available are shown on the data sheets. These and only these are readily available,

Availability

They are available in reels as: 5mm (2000) and 7mm (2500) smaller quantities often available from stock

Quantities less than a full reel

Stock Items: We often have smaller quantities in stock; these are available in any quantity

Non Stock Items: Due to set up times on our automated assembly lines, we can only make these in full reels.

Lead time is typically 4-6 weeks. Sales Group in San Jose will offer these at a reduced MOQ holding the reel balance in stock

Minimum Order Quantity (MOQ) 5mm and 7mm (500)

Phased out with stock in hand 8/1/18

											Stock 8/1/18
RLEI-806-824M-5mm-1WL	815	G815	TRS		0.55	15	1.5:1	5	1.0	A	219
RLEI-880-915M-5mm-1WL	897.5	G897	35	E-GSM	0.75	13	1.5:1	5	1.0	A	485
RLEI-890-915M-5mm-1WL-M1 RLEI-890-915M-5mm-1WL-M2	902.5	A902 ud 3-10-11	25	GSM	0.75 RT 0.8 OT ud 3-10-11	13	1.5:1	5	1.0	A	81 775
RLEI-935-960M-5mm-1WL	947.5	A947 ud 3-10-11	25	GSM	0.75 RT 0.8 OT ud 3-10-11	13	1.5:1	5	1.0	A	2613
RLEI-935-960M-5mm-1WR	947.5	A947 ud 3-10-11	25	GSM	0.75 RT 0.8 OT ud 3-10-11	13	1.5:1	5	1.0	A	990
RLEI-1429-1453M-5mm-1WL	1441	1G44			0.60	15	1.5:1	5	1.0	B	773
RLEI-1560-1590M-5mm-1WL	1575	1G57	30	GPS	0.60	13	1.5:1	5	1.0	B	1866
RLEI-1610-1626M-5mm-1WL	1618	1G61			0.65	14	1.5:1	5	1.0	B	233
RLEI-1645-1675M-5mm-1WL	1660	1G66			0.60	15	1.5:1	5	1.0	B	73
RLEI-1710-1785M-5mm-1WL	1747.5	1G74	75	DCS	0.7	13	1.5:1	5	1.0	B	809
RLEI-1840-1870M-5mm-1WL	1855	1G85	30	K-PCS	0.60	15	1.5:1	5	1.0	B	45
RLEI-1877-1937M-5mm-1WL	1907	1G90	30	PCS	0.60	15	1.5:1	5	1.0	B	20
RLEI-1877-1937M-5mm-1WR	1907	1G90	30	PCS	0.60	15	1.5:1	5	1.0	B	1161
RLEI-1920-1980M-5mm-1WL	1950	1G95	60	W-CDMA	0.60	15	1.5:1	5	1.0	B	13
RLEI-1930-1990M-5mm-1WL	1960	1G96	60	US-PCS	0.60	15	1.5:1	5	1.0	B	1616
RLEI-1930-1990M-5mm-1WR	1960	1G96	60	US-PCS	0.60	15	1.5:1	5	1.0	B	678
RLEI-2200-2300M-5mm-1WL	2250	2G25	W-LAN		0.70	12	1.6:1	5	1.0	B	693
RLEI-2200-2300M-5mm-1WR	2250	2G25	W-LAN		0.70	12	1.6:1	5	1.0	B	1287
RLEI-2250-2350M-5mm-1WL	2300	2G30	US-PCS		0.70	13	1.5:1	5	1.0	B	318
RLEI-2410-2470M-5mm-1WL	2440	2G44	W-LAN		0.60	15	1.5:1	5	1.0	B	518
RLEI-2500-2700M-5mm-1WL	2600	2G60	W-LAN		0.80 typ 1.1max	15 typ 12min	1.5 typ 1.62 max	5	1.0	B	1075
RLEI-2500-2700M-5mm-1WR	2600	2G60	W-LAN		0.80 typ 1.1max	15 typ 12min	1.5 typ 1.62 max	5	1.0	B	353
RLEI-2600-2700M-5mm-2WR	2650	2G65	100		0.7	13	1.5:1	10	2.0	B	900

RLEI 5 and 7mm

Specifications may be subject to change

08/02/18

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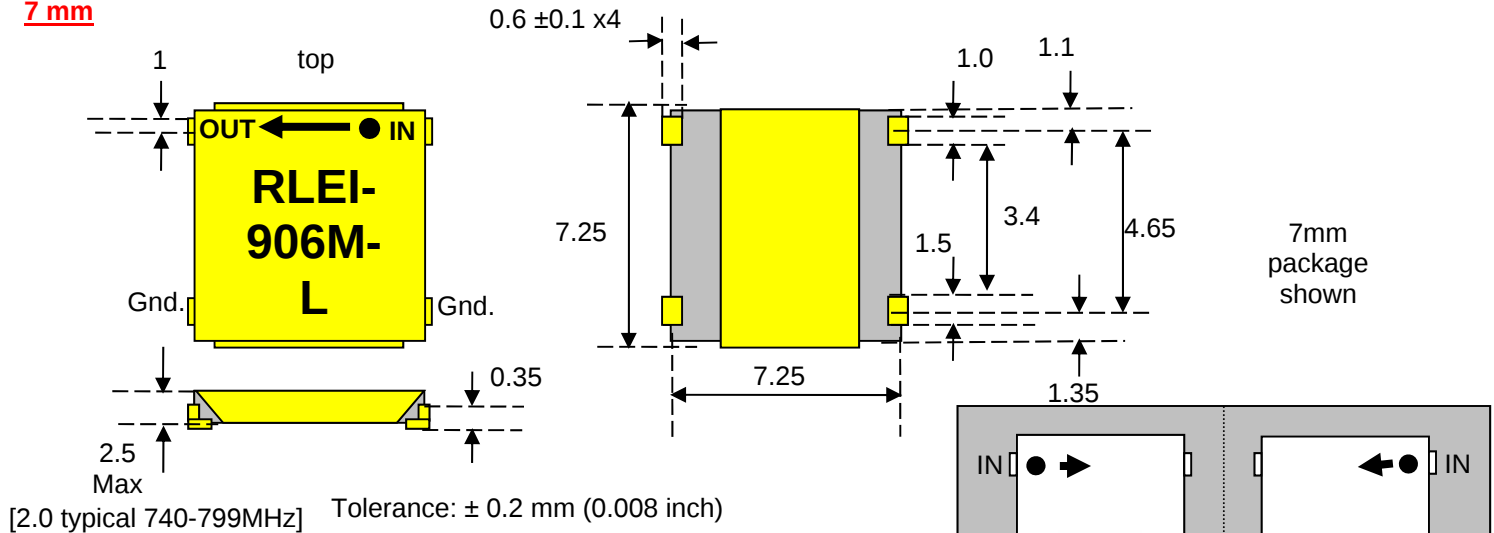
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E-mail: sales@raditek.com

LUMPED ELEMENT ISOLATORS 7x7 mm

7 mm



Order as: RLEI-frequency (MHz) -7mm (size):

*1.3 VSWR available on special order

Packing: Tape and reel (2500 per reel minimum order).

Operating temperature: -40 to +85 °C.

Survive 250 °C for 30 seconds (for Reflow process).

Power Forward 10W

Power Reverse 1.0W

Approximate weight (7mm): 0.53g

Standard Packaging:
5X5mm 2000 EA and 7X7mm 2500 EA
New unit development requires a 10K piece commitment
due to automated tooling and testing set up costs

Current Products (These and only these are in current production) **New**

Specifications: Part #	Center Frequency (MHz)	Part Marking	Full Band width MHz	Band	Insertion loss dB (max.)	Isolation dB (min.)	VSWR	Fwd Power	Rev Power
RLEI-710-718M-7mm-2WL/R	714	G714	8		2.00	9	2.5:1	10	2.0
RLEI-790-824M-7mm-2WL/R	807	G807	34		0.90	12	1.6:1	10	2.0
RLEI-824-849M-7mm-1WL/R	836.5	G836	25	CDMA	0.65	15	1.5:1	10	1.0
RLEI-869-894M-7mm-1WL/R	881.5	G881	25	CDMA	0.65	15	1.5:1	10	1.0
RLEI-925-960M-7mm-1WL/R	942.5	G947	35	GSM	0.65	13	1.5:1	10	1.0
RLEI-1805-1880M-7mm-1WL/R	1842.5	1G84	75	DCS	0.6	15	1.5:1	10	1.0
RLEI-1930-1990M-7mm-1WL/R	1960	1G96	60	US-PCS	0.6	15	1.5:1	10	1.0
RLEI-2110-2170M-7mm-1WL/R	2140	2G14	60	WCDMA	0.6	15	1.5:1	10	1.0
RLEI-2110-2180M-7mm-2WL/R	2145	2G15	70	WCDMA	0.75	14	1.5:1	10	2.0
RLEI-2110-2200M-7mm-2WL/R	2155	2G16	90	WCDMA	0.70	14	1.5:1	10	2.0

Phased out with stock in hand 8/1/18

										Stock 8/1/18
RLEI-880-915M-7mm-1WL	897.5	G897	35		0.65	13	1.6:1	10	1.0	2498
RLEI-887-925M-7mm-1WL	906	G906	38	EGSM	0.65	13	1.6:1	10	1.0	4
RLEI-925-960-7mm-1WL	942	G942	35	GSM	0.65	15	1.5:1	10	1.0	1644
RLEI-1710-1785M-7mm-1WL	1747.5	1G74	75	DCS	0.6	15	1.5:1	10	1.0	4700
RLEI-1850-1910M-7mm-1WL	1880	1G88	60	US-PCS	0.6	15	1.5:1	10	1.0	2000
RLEI-1877-1937M-7mm-1WL	1907	1G90	60		0.6	15	1.5:1	10	1.0	13

RLEI 5 and 7mm

Specifications may be subject to change

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Materials and Plating

The pads are made of nickel, and are plated silver.

The body is Phosphor Bronze plated silver

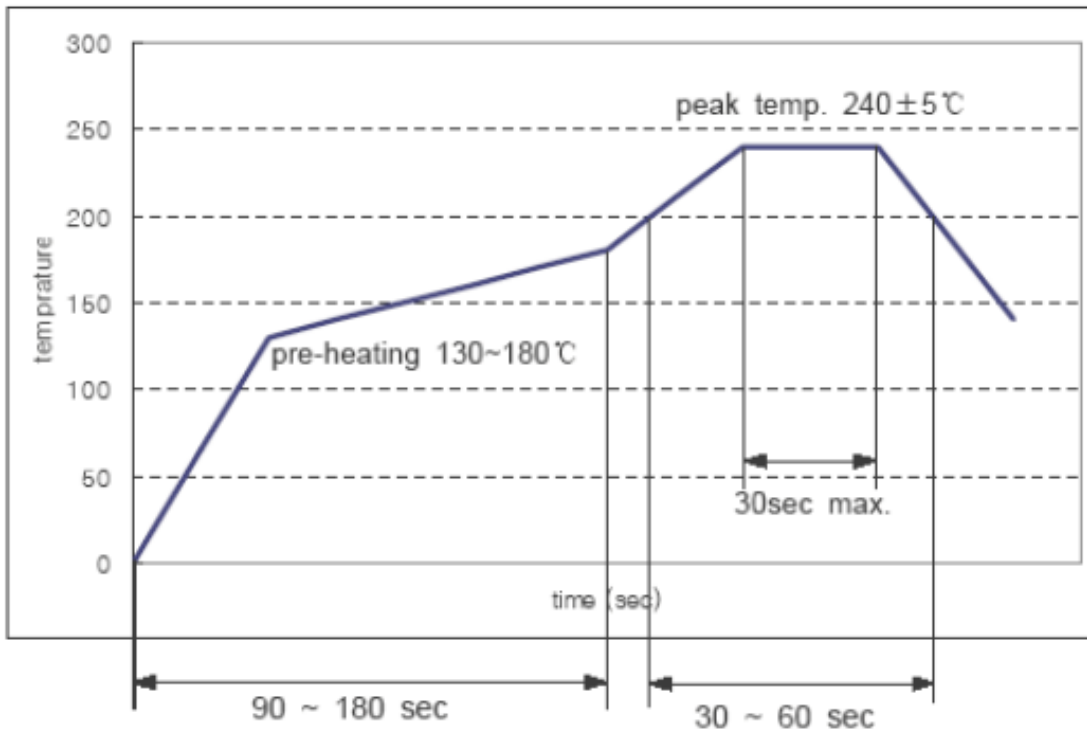
The Termination is ceramic plated with nickel then tin.

Soldering Condition:

Manual soldering (by soldering iron)

- Pre-heating Temperature: 120°C, 60 ~ 300 sec
- Soldering Temperature: 340°C ± 5°C, 5 sec max per each terminal

Reflow Soldering Profile



Note: the maximum reflow temperature is 260°C/10 sec

Parts withstand 2 cycles at 250°C for 10 seconds

The RLEI parts have a 2 character date code

First character: year (example -6=2016)

Second character: month example -4 =April

(-1 to -9 January to September, // -O, N, D October, November, December)