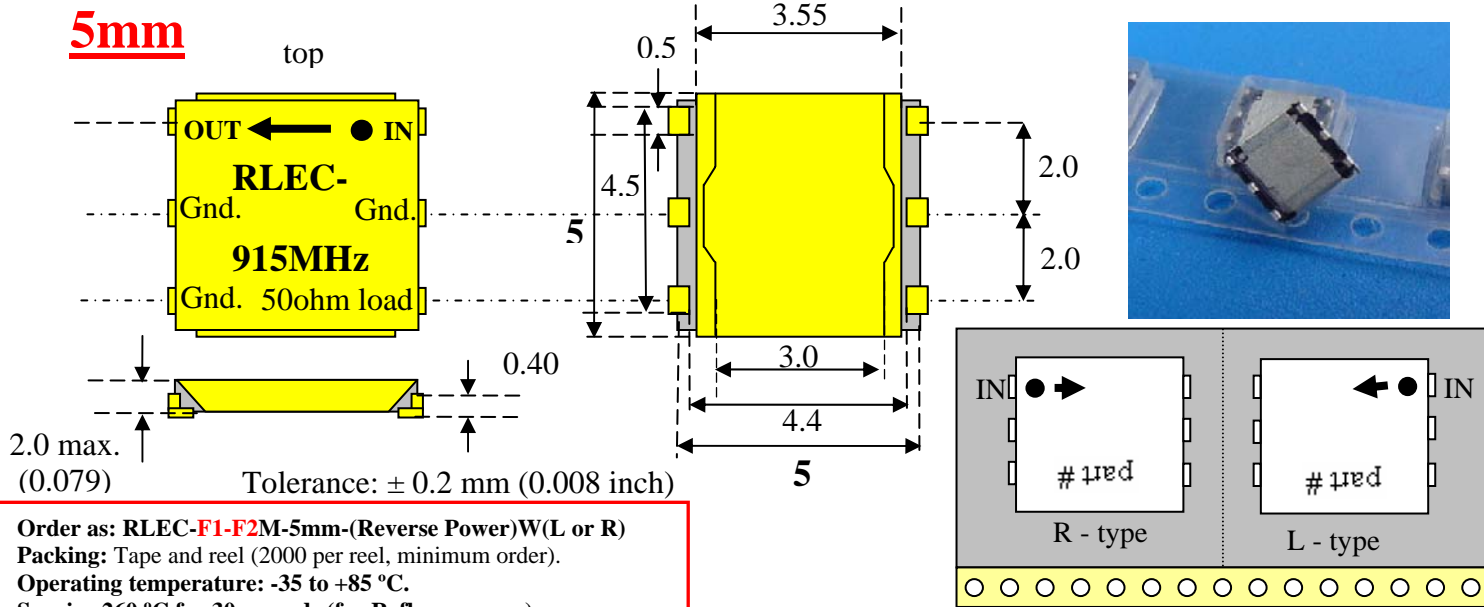


## LUMPED ELEMENT CIRCULATORS 5x5 mm

RADITEK Lumped element circulators 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](#) smaller quantities often available from stock



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

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

**Operating temperature:** -35 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

**Impedence:** 50 ohm

**Power Forward 5W-----Power Reverse 5W**

**Standard Packaging:  
5X5mm 2000 EA**

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

Specifications:	Center Frequency (MHz)	Part Marking	Full Band width MHz	Insertion loss dB (max.)	Isolation dB (min.)	Return Loss dB (min.)	Fwd Power	Rev Power
Part #								
RLEC-908.5-914M-5mm-5WL/R	911.25	G911	5.5	0.85	20	14	5.0	5.0
RLEC-902-928M-5mm-5WL/R	915	G915	26	0.85	13	13	5.0	5.0
RLEC-2110-2170M-5mm-5WL/R	2140	2G14	60	0.7	15	15	5.0	5.0

### LUMPED ELEMENT CIRCULATORS AVAILABILITY

**RLEC Stocking and Availability**

RLEC 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,

We can only develop new frequencies for a proven need of >10K units, due to automated tooling and testing set up costs

**Availability**

They are available in reels as: 5mm (2000), 7mm (2500) and 4mm (3500) 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

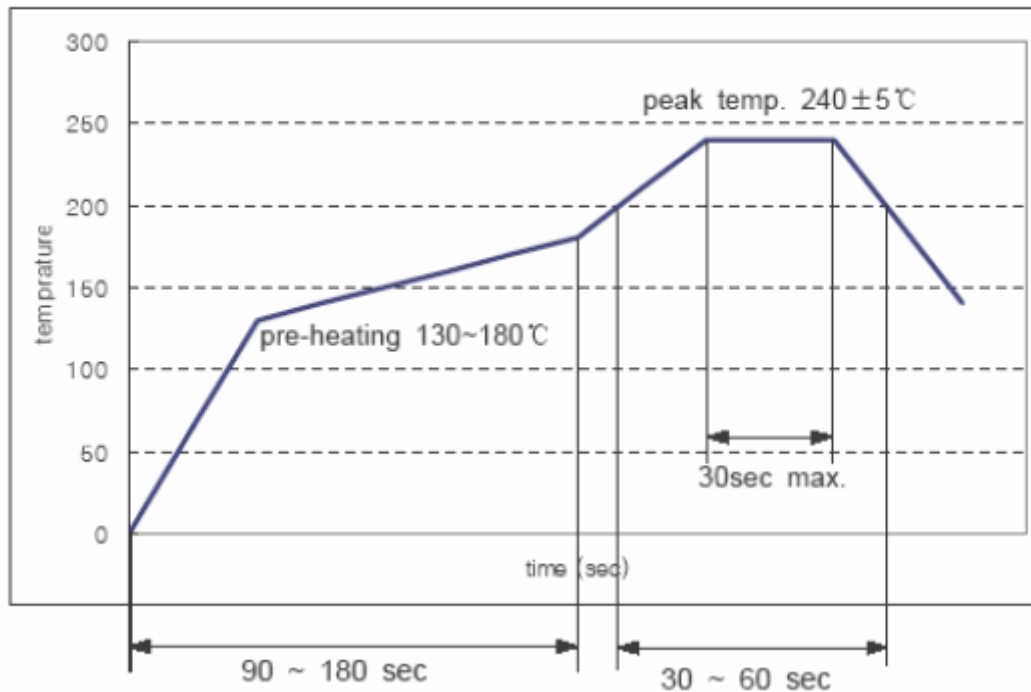
Minimum Order Quantity (MOQ) 5mm and 7mm (200)

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 Profile



Note: the maximum reflow temperature is 260°C/10 sec  
Parts withstand 2 cycles at 250C for 10 seconds