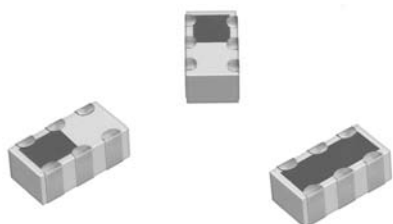
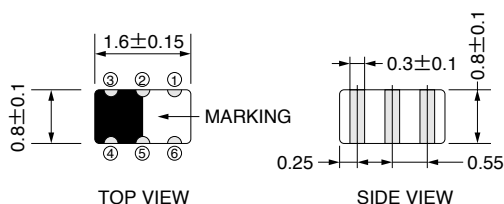


**TYPE LTF1608L-F/FP Series**



**■DIMENSIONS / 外形寸法**



③	GND	②	IN	①	GND
④	GND	⑤	OUT	⑥	GND

(Unit: mm)

- Marking of polarity : Marking is on the upper surface of the unit.
- 方向表示 : 端子番号の方向を示します。この表示が常に上を向くようにテーピングされています。

**Features**

- Ultra compact and low-profile type: 1.6×0.8×0.8mm.
- Frequency range: 800 to 2500 MHz.
- Monolithic structure yields high reliability. (operating temperature range: -55 to +125°C)
- Superior filter characteristics: high attenuation rate and low insertion loss
- Lead-free terminals.

**特 長**

- 超小型・低背タイプ：1.6×0.8×0.8mm
- 適用周波数範囲：800～2500MHz
- モノリシック構造により、高い信頼性を実現 (使用温度範囲：-55～+125°C)
- 優れたフィルタ特性：高減衰量と低挿入損失を実現
- 鉛フリー電極

**Applications**

- AMPS • GSM • DCS • PCS
- 2.4GHz-Wireless LAN

**用 途**

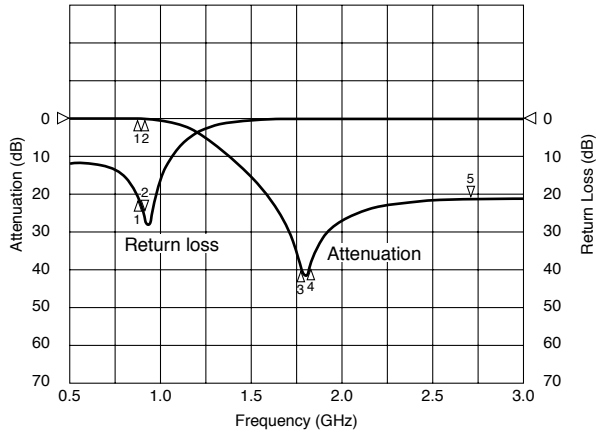
- AMPS • GSM • DCS • PCS
- 2.4GHz ワイヤレスLAN

**Electrical Characteristics 電気的特性**

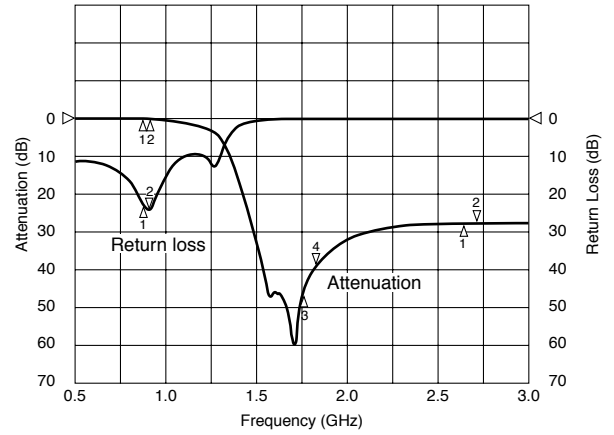
TOKO Part Numbers	Pass Bandwidth [MHz]	Insertion Loss (Max.)	Ripple (Min.)	Return Loss (Min.)	Attenuation at 2 × Fo	Attenuation at 3 × Fo	Impedance (Ω)	Application
LTF1608L-FR80L	824-849	0.45 dB	0.5 dB	14 dB	25 dB	18 dB	50	AMPS
LTF1608L-FR90L	880-915	0.45 dB	0.5 dB	14 dB	25 dB	18 dB	50	GSM
LTF1608L-F1R7L	1710-1785	0.45 dB	0.5 dB	14 dB	25 dB	18 dB	50	DCS
LTF1608L-F1R8L	1850-1910	0.45 dB	0.5 dB	14 dB	25 dB	18 dB	50	PCS
LTF1608L-F2R4L	2400-2500	0.45 dB	0.5 dB	14 dB	25 dB	18 dB	50	2.4GHz-LAN
LTF1608L-FPR90H	880-915	0.5 dB	0.5 dB	14 dB	35 dB	25 dB	50	GSM
LTF1608L-FP1R7H	1710-1785	0.5 dB	0.5 dB	14 dB	35 dB	25 dB	50	DCS
LTF1608L-FP1R8H	1850-1910	0.5 dB	0.5 dB	14 dB	35 dB	25 dB	50	PCS
LTF1608L-FP2R4H	2400-2500	0.5 dB	0.5 dB	14 dB	35 dB	25 dB	50	2.4GHz-LAN

■ Typical Characteristics 特性例

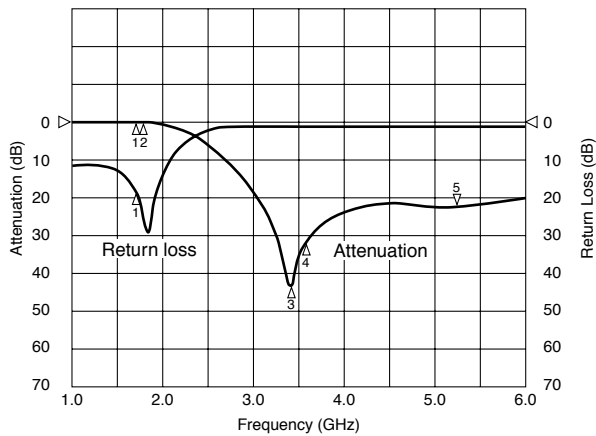
LTF1608L-FR90L



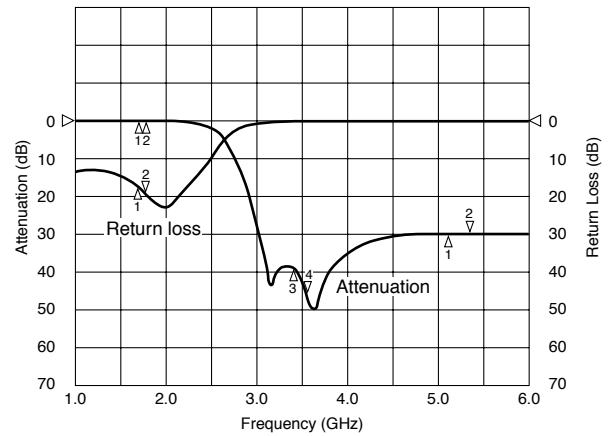
LTF1608L-FPR90H



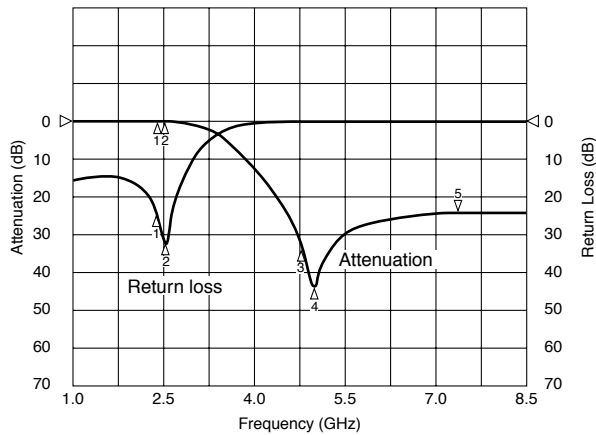
LTF1608L-F1R7L



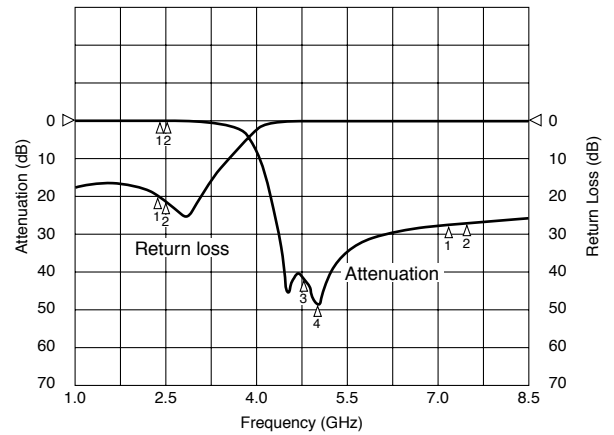
LTF1608L-FP1R7H



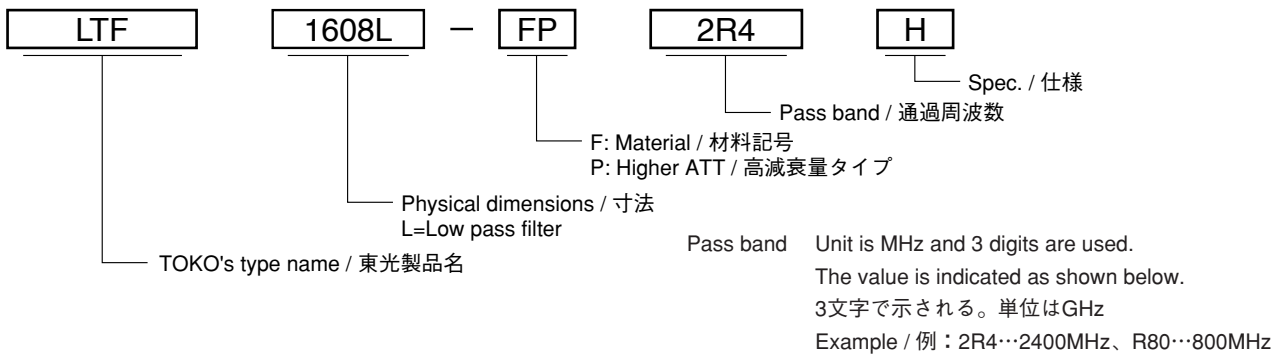
LTF1608L-F2R4L



LTF1608L-FP2R4H



### PART NUMBERING SYSTEM / 品番構成



### TAPING SPECIFICATIONS / テーピング仕様

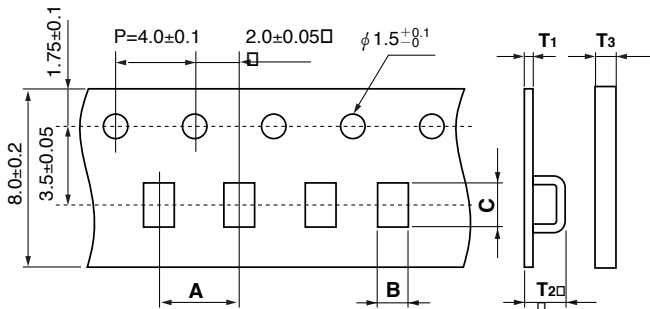
#### (1) Chip's placing

Chip Filters are packaged into 8mm width, 4 or 2mm pitch plastic or paper tape then enclosed by cover tape.

#### (2) Carriage hole position

Carriage hole position is right side of tape when sealing tape is up side.

m Tape dimensions (Unit: mm) / テープ寸法 (単位: mm)



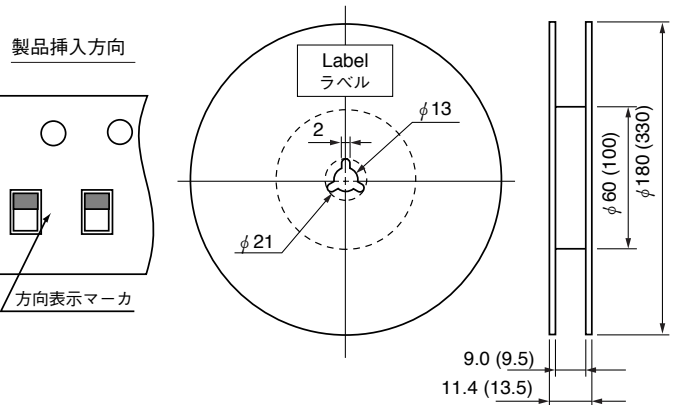
#### (1) チップ装置

チップフィルタは、8mm幅・4または2mmピッチのプラスチックテープまたは紙テープ中に収納され、カバーテープを貼り付けることにより保持されています。

#### (2) 送り穴位置

テープの送り穴は、テープを手前に引き出したとき、右側となります。

m Reel dimensions (Unit: mm) / リール寸法 (単位: mm)



\* ( )は  $\phi 330$  リールの場合

機能	品番	Tape Size					PCS./Reel	
		A	B	C	T1	T2		T3
Low Pass Filter	LTF1608L-FR80L	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-FR90L	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-F1R7L	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-F1R8L	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-F2R4L	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-FPR90H	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-FP1R7H	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-FP1R8H	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Low Pass Filter	LTF1608L-FP2R4H	$4.0 \pm 0.1$	$1.1 \pm 0.2$	$1.9 \pm 0.2$	-	-	Max. 1.1	4000
Band Pass Filter	LTF2012B-F2R4B	$4.0 \pm 0.1$	$1.45 \pm 0.2$	$2.25 \pm 0.2$	$0.25 \pm 0.05$	Max. 1.8	-	3000