

1.本站收集的数据手册和产品资料都来自互联网,版权归原作者所有。如读者和版权方有任 何异议请及时告之,我们将妥善解决。

本站提供的中文数据手册是英文数据手册的中文翻译,其目的是协助用户阅读,该译文无法自动跟随原稿更新,同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。

3.本站提供的产品资料,来自厂商的技术支持或者使用者的心得体会等,其内容可能存在描 叙上的差异,建议读者做出适当判断。

4.如需与我们联系,请发邮件到marketing@iczoom.com,主题请标有"数据手册"字样。

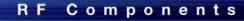
# **Read Statement**

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.

2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.

3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.

4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets".



**公TDK** 

May. 2015 Ver.1.1 TDK Corporation

Multilayer Balun For LTE

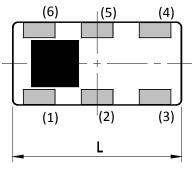
HHM Series

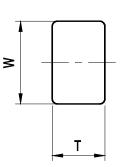
1608 TYPE

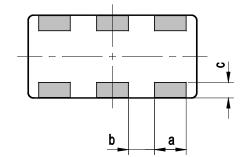


#### HHM17168B1

# SHAPES AND DIMENSIONS







#### Dimensions (mm)

L		W	Т	а	b	C		
	1.60	0.80	0.60	0.30	0.25	0.15		
	+/-0.10	+/-0.10	+/-0.10	+/-0.10	+/-0.10	+/-0.10		

#### **Terminal functions**

(1)	Unbalanced Port			
(2)	DC feed + RF GND or GND			
(3)	Balanced Port			
(4)	Balanced Port			
(5)	GND			

(6) N.C.

#### Note:

These samples are marked with trial sample identification.

In mass production, this sample marking will be changed to show in the TDK full specification.

# TEMPERATURE RANGE

<b>Operating temperature</b>	Storage temperature		
–40 to +85 °C	–40 to +85 °C		

### HHM17168B1

# ELECTRICAL CHARACTERISTICS

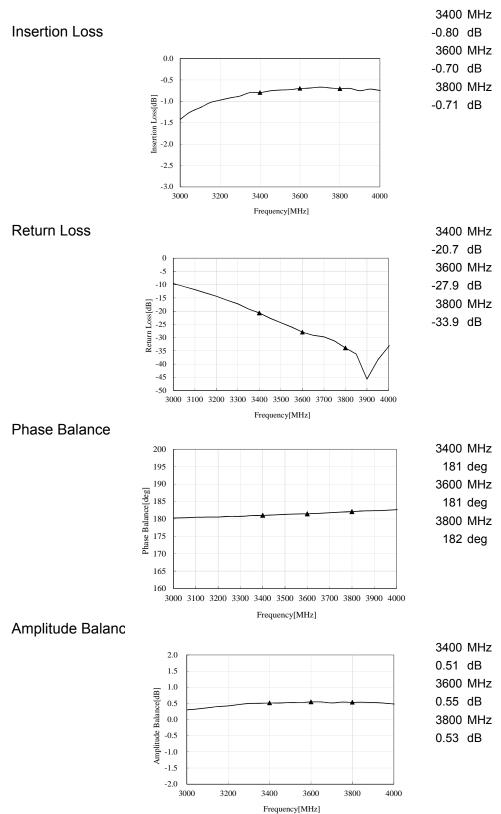
(Measurement)

Eroquo			TDK Spec			
Freque	псу		Min.	Тур.	Max.	
				50		
				50		
			30.5-j55.2		0	
					.∠	
2400	to	2000	10	10.6		
3400	ιο	3000	10	10.0	-	
3400	to	3800		182		
3400	to	3800		0.55		
3400	to	3800	-	0.80		
			-		1	
	3400 3400 3400	3400 to 3400 to 3400 to	3400 to 3800 3400 to 3800 3400 to 3800	Frequency (MHz) Min.   Min. 3   3400 to 3800   3400 to 3800   3400 to 3800	Frequency (MHz) Min. Typ.   50 30.5-j55   3400 to 3800 10 18.6   3400 to 3800 182   3400 to 3800 0.55	

Ta = +25+/-5°C

#### HHM17168B1

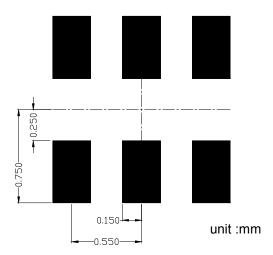
# FREQUENCY CHARACTERISTICS



All specifications are subject to change without notice. TDK Technology - Proprietary and Confidential Information of TDK Group Companies

### HHM17168B1

# RECOMMENDED LAND PATTERN



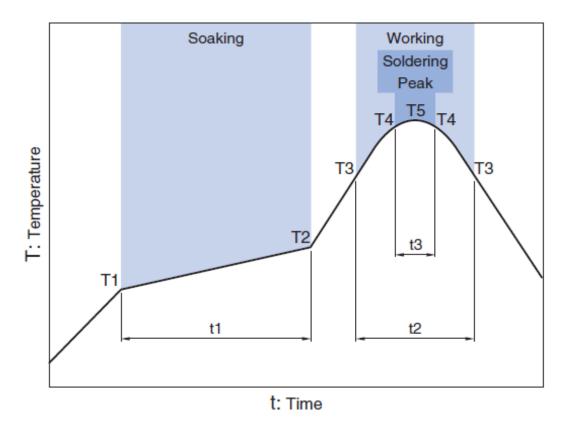


RoHS Statement RoHS Compliance

### HHM17168B1

# RECOMMENDED REFLOW PROFILE

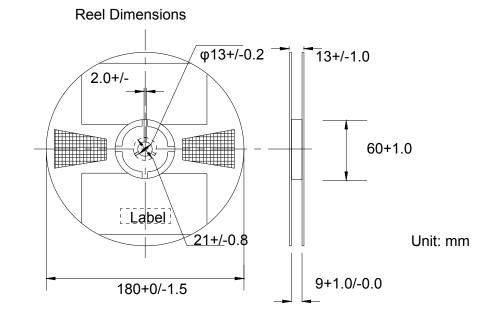
Pb free solder



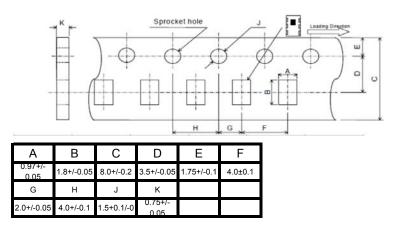
	Soaking		Working		Soldering		Peak
Tei	mp.	Time	Temp.	Time	Temp.	Time	Temp.
T1	T2	t1	Т3	t2	T4	t3	Т5
150°C	180°C	60 to 120sec	230°C	more than 30sec	247 to 253°C	within 10sec	260°C Max.

### HHM17168B1

# PACKAGING STYLE



#### Carrier Tape



STANDARD PACKAGE QUANTITY	1
( pieces/reel )	
4,000	

# REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

## SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using these products.

# 

The products listed on this specification sheet are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this specification sheet.

- 1. Aerospace/Aviation equipment
- 2. Transportation equipment (cars, electric trains, ships, etc.)
- 3. Medical equipment
- 4. Power-generation control equipment
- 5. Atomic energy-related equipment
- 6. Seabed equipment
- 7. Transportation control equipment
- 8. Public information-processing equipment
- 9. Military equipment
- 10. Electric heating apparatus, burning equipment
- 11. Disaster prevention/crime prevention equipment
- 12. Safety equipment
- 13. Other applications that are not considered general-purpose applications

When using this product in general-purpose applications, you are kindly requested to take into consideration securing protection circuit/equipment or providing backup circuits, etc., to ensure higher safety.