

# 薄膜贴片平衡-不平衡变压器

## DVB-H/T, ISDB-T用

RoHS指令对应产品

### TCM系列 TCM12B51

#### 特点

- 本产品可在DVB-H/T, ISDB-T的频带（174MHz~860MHz频带）下实现损耗（IL=0.7dB），是最适用于50-50Ω的传送薄膜贴片平衡不平衡变压器。
- RoHS指令对应产品。



#### 用途

DVB-H/T, ISDB-T的RF输入部的不平衡-平衡变换。

#### 产品名称的识别法

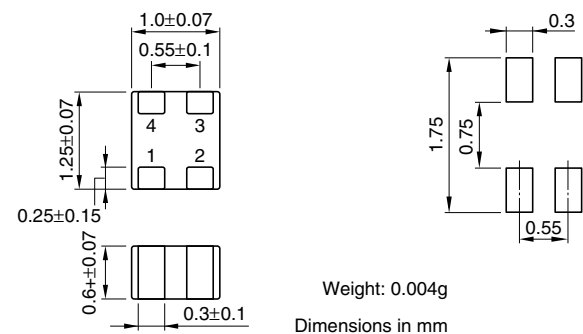
TCM 12 B51 - 900 - 2P - T □□  
 (1) (2) (3) (4) (5) (6) (7)

- (1) 系列名称
- (2) 铝壳尺寸
- (3) 产品识别号  
B51:  $Z_0=50\Omega$
- (4) 共模阻抗  
900:  $90\Omega$  [at 100MHz]
- (5) 线数  
2P: 2线
- (6) 包装形式  
T: 卷带 ( $\phi 180\text{mm}$ 卷)
- (7) 本公司识别符号

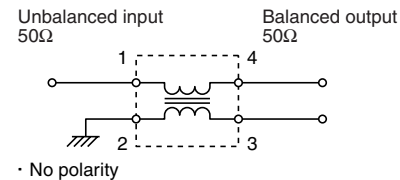
#### 包装形式 / 包装个数

包装形式	卷	个数
卷带	$\phi 180\text{mm}$	4000个 / 卷

#### 形状・尺寸 / 推荐印刷电路板图样



#### 电路图



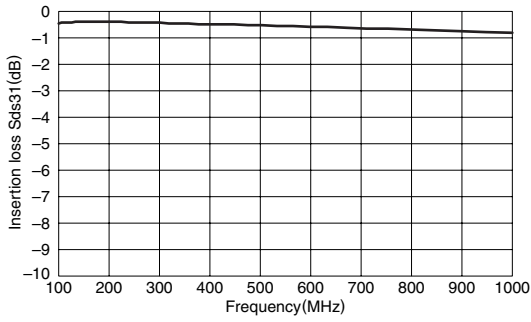
#### 电气特性

品名	TCM12B51-900-2P	
阻抗特性	50Ω typ.	
直流电阻	[1 line]	0.85Ω max.
额定电流 I <sub>dc</sub>	100mA max.	
额定电压 E <sub>dc</sub>	10V max.	
绝缘电阻	10MΩ min.	
相位差	[174 to 860MHz]	0±1.5dB
电平差	[174 to 860MHz]	180±15deg.
插入损耗	[174MHz]	0.4dB typ.
	[860MHz]	0.7dB typ.
工作时温度范围	-25 to +85°C	

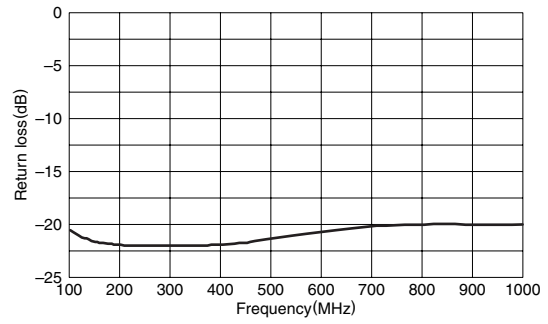
● RoHS 指令的对应：表示除了依据 EU Directive 2002/95/EC 免除的用途之外，未使用铅，镉，汞，六价铬及特定溴系难燃剂 PBB，PBDE 等。

· 记载内容，在没有予告的情况下有可能改进和变更，请予以谅解。

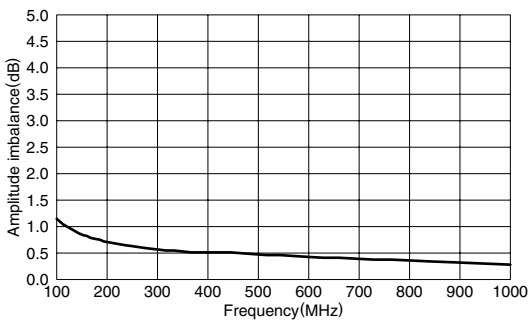
频率特性  
插入损耗



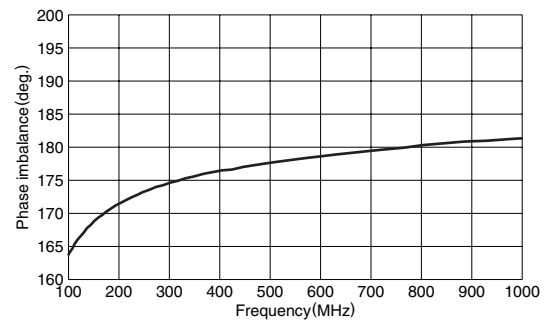
回波损耗



AMPLITUDE IMBALANCE at BALANCED PORT



PHASE IMBALANCE at BALANCED PORT



# TDK Global Network

## Contact us

Contact the following engineers for application information, samples or for additional information.

### US-WEST

PIC: **Kevin Umeda**

E-mail: KUmeda@tdktca.com

#### TDK Corporation of America

Product Marketing and Development Dept.

1740 Technology Drive, Suite 510, San Jose, CA 95110

Phone: +1-(408)467-5222

### US-EAST

PIC: **Rafael Perez Magana**

E-mail: RPerez\_magana@tdktca.com

#### TDK Corporation of America

Product Marketing and Development Dept.

1101 Cypress Creek Rd. Cedar Park, TX. 78613

Phone: +1-(512)492-3436

### EUROPE

PIC: **Takashi Itoh**

E-mail: itoh@tdk.de

#### TDK Electronics Europe GmbH.

Product Marketing Dept.

361, Avenue du General de Gaulle, F-92140 Clamart  
France

Phone: +33-1-409434 08

### CHINA(HONG KONG)

PIC: **Yukihiro Hayakawa**

E-mail: yukihiro.hayakawa@tdk.com.hk

#### TDK Hong Kong Co., LTD.

Product Marketing Dept. EMC Components

10th Floor, South Tower World Finance Center

Harbor City 17-19 Canton Road, Kowloon, Hong Kong

Phone: +86-755-83054626

### CHINA(SHANGHAI)

PIC: **Toshimichi Kamagata**

E-mail: tkamagata@tdk.com.hk

#### TDK (SHANGHAI) INTERNATIONAL TRADING CO.,LTD.

Product Marketing Dept.

Room 2201, Shanghai International Trade Center 2201

Yan An Road(w), Shanghai

Phone: +86-21-62701100\*335

### SINGAPORE

PIC: **Tomoaki Saitoh**

E-mail: Tomoaki\_Saito@TDK-ASEAN.tdk-group.com

#### TDK Singapore (PTE) LTD.

Sales promotion Dept.

460 Alexandra Road, #04-00 PSA Building

119963 Singapore

Phone: +65-6273-5022

### TAIWAN

PIC: **Takehisa Koganezawa**

E-mail: T\_Koganezawa@tdk.com.tw

#### TDK Taiwan Corporation

Sales promotion Dept.

6th Floor, 260 Tun Hwa N.Rd.Taipei, Taiwan, R.O.C

Phone: +886-2-2712-5090

### KOREA

PIC: **Tadao Nishino**

E-mail: tadao\_nishino@TDK-TKR.tdk-group.com

#### Korea TDK Co., LTD.

1st Floor, IL-HEUNG Bldg 1490-25, Seocho-dong, Seocho-gu

Seoul 137-070

Phone: +82-2-3019-4309

### JAPAN

PIC: **Tetsuya Ueda**

E-mail: mrt@mb1.tdk.co.jp

#### TDK Corporation

Sales promotion Dept.

13-1, Nihonbashi 1-chome, Chuo-ku, Tokyo 103-8272

Phone: +81-3-5201-7229