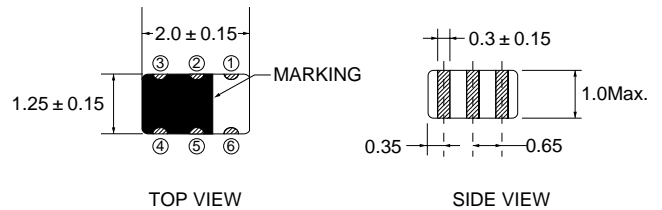
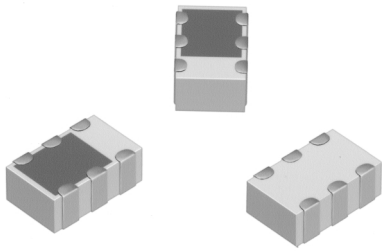


**TYPE CHM2012U-F Series**


	NC	GND	OUT1
	IN	GND	OUT2

(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: 2.0×1.25×1.0mm
- Application of DC bias can be done.
- Monolithic structure yields high reliability.  
(operating temperature range: -55 to +125 )
- Mounting area is small due to dual-in-line
- Lead-free electrodes: lead-free terminals permit reflow and flow soldering

**特長**

- 超小型・低背位タイプ : 2.0 × 1.25 × 1.0mm
- DCバイアス印加可能
- 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 )
- デュアルインラインにより実装面積小さい
- 鉛フリー電極  
リフロ、フローはんだ付け

**Applications**

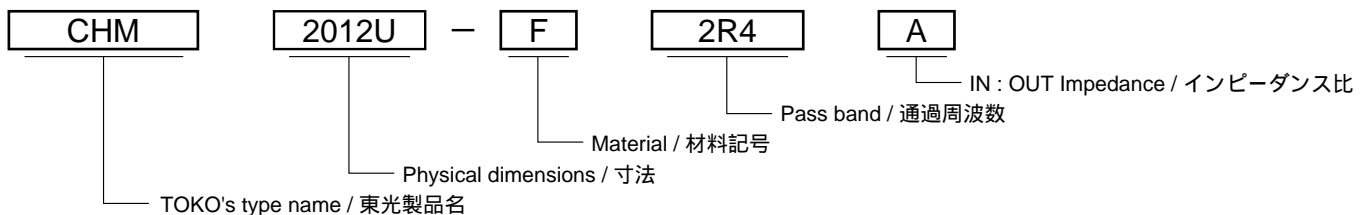
- W-CDMA
- DCS/PCS
- AMPS
- GSM

**用途**

- W-CDMA
- DCS/PCS
- AMPS
- GSM

**Electrical Characteristics 電気的特性**

TOKO Part Numbers	Pass Bandwidth [MHz]	IN : OUT Impedance	Insertion Loss (Max.)	Return Loss (Min.)	Phase
CHM2012U-FR80A	824-849	50 Ω : 50 Ω	1.8 dB	9 dB	180 ± 10 deg.
CHM2012U-FR80C	824-849	50 Ω : 200 Ω	1.8 dB	9 dB	180 ± 10 deg.
CHM2012U-FR90A	880-960	50 Ω : 50 Ω	1.8 dB	9 dB	180 ± 10 deg.
CHM2012U-FR90C	880-960	50 Ω : 200 Ω	1.8 dB	9 dB	180 ± 10 deg.
CHM2012U-F1R8A	1710-1920	50 Ω : 50 Ω	1.2 dB	9 dB	180 ± 10 deg.
CHM2012U-F1R8B	1710-1920	50 Ω : 100 Ω	1.2 dB	9 dB	180 ± 10 deg.
CHM2012U-F1R8C	1710-1920	50 Ω : 200 Ω	1.2 dB	9 dB	180 ± 10 deg.
CHM2012U-F2R0A	1920-2170	50 Ω : 50 Ω	1.2 dB	9 dB	180 ± 10 deg.
CHM2012U-F2R0B	1920-2170	50 Ω : 100 Ω	1.2 dB	9 dB	180 ± 10 deg.
CHM2012U-F2R0C	1920-2170	50 Ω : 200 Ω	1.2 dB	9 dB	180 ± 10 deg.

**Part Numbering System 品番構成**


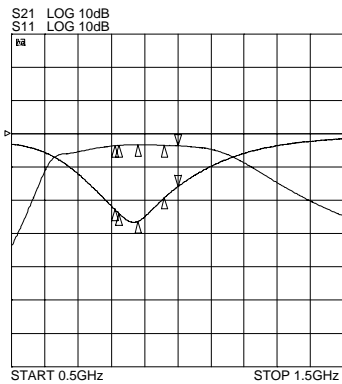
Pass band Unit is MHz and 3 digits are used.  
 The value is indicated as shown below.  
 3文字で示される。単位はMHz  
 Example / 例 : 2R4...2400MHz、R80...800MHz

IN : OUT Impedance A: 50 Ω : 50 Ω  
 B: 50 Ω : 100 Ω  
 C: 50 Ω : 200 Ω

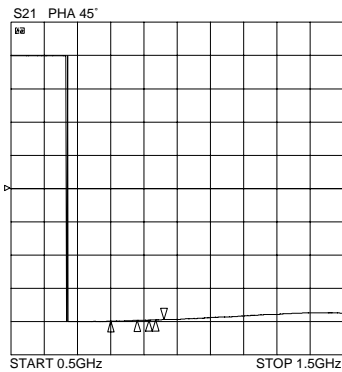
#### ■Typical Characteristics 特性例

##### CHM2012U-FR80A

##### ATT&RL

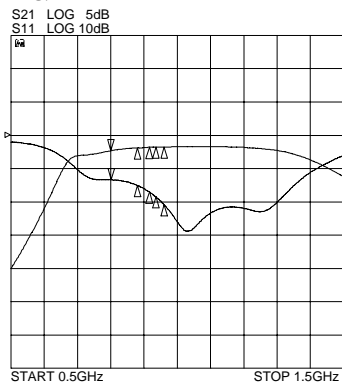


##### PHASE

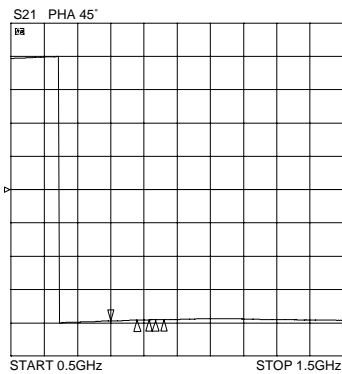


##### CHM2012U-FR80C

##### ATT&RL

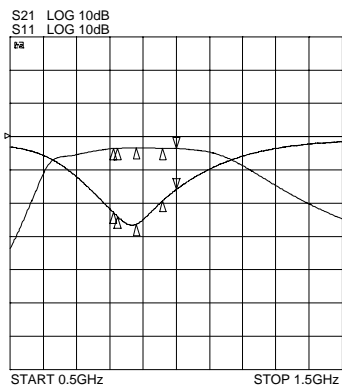


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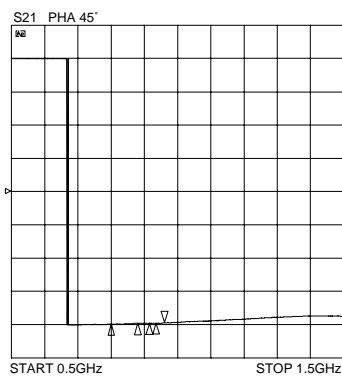


##### CHM2012U-FR90A

##### ATT&RL

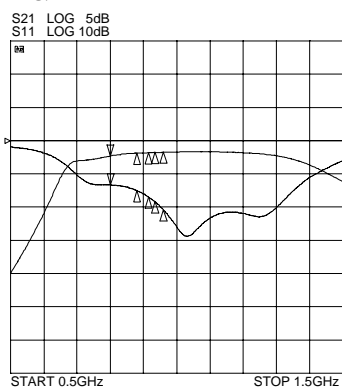


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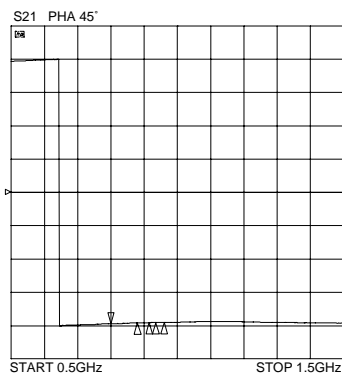


##### CHM2012U-FR90C

##### ATT&RL

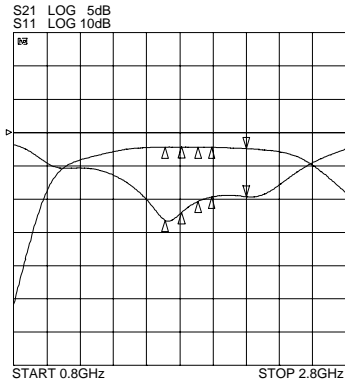


##### PHASE

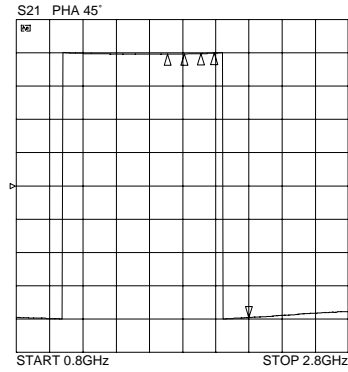


#### ■Typical Characteristics 特性例

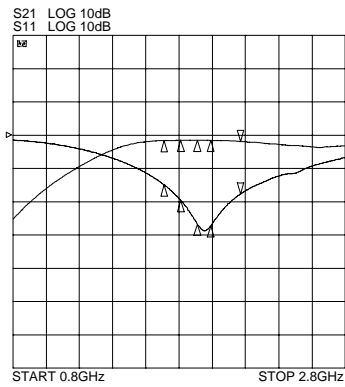
**CHM2012U-F1R8A**  
**ATT&RL**



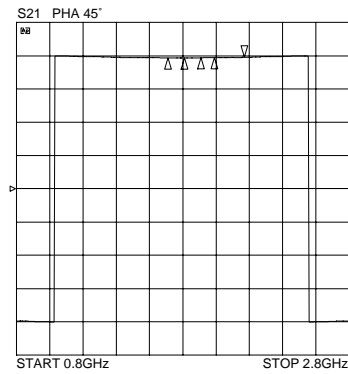
**PHASE**



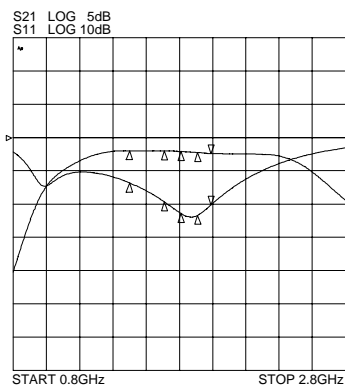
**CHM2012U-F1R8B**  
**ATT&RL**



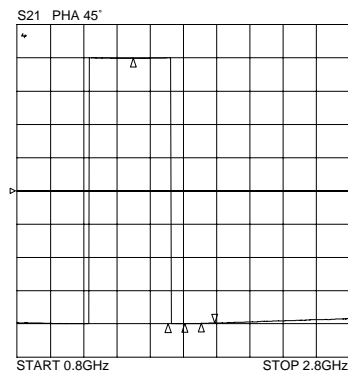
**PHASE**



**CHM2012U-F1R8C**  
**ATT&RL**

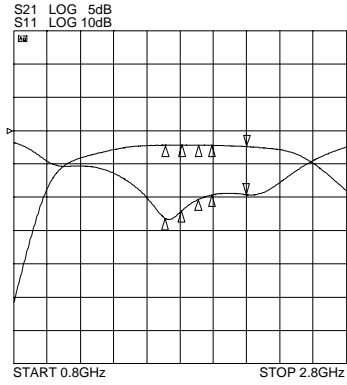


**PHASE**

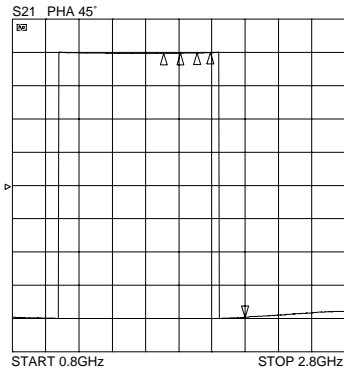


#### Typical Characteristics 特性例

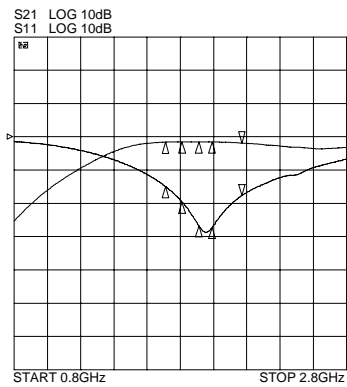
**CHM2012U-F2R0A**  
**ATT&RL**



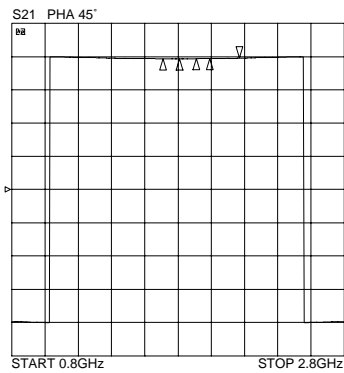
**PHASE**



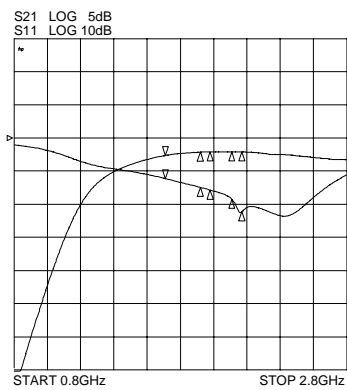
**CHM2012U-F2R0B**  
**ATT&RL**



**PHASE**



**CHM2012U-F2R0C**  
**ATT&RL**



**PHASE**

