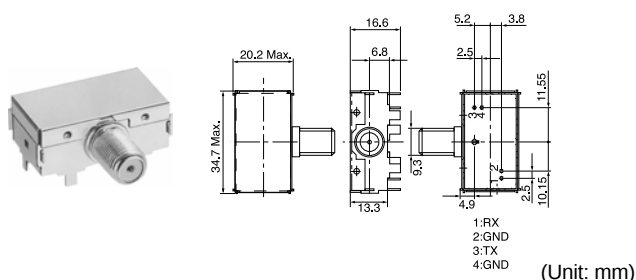
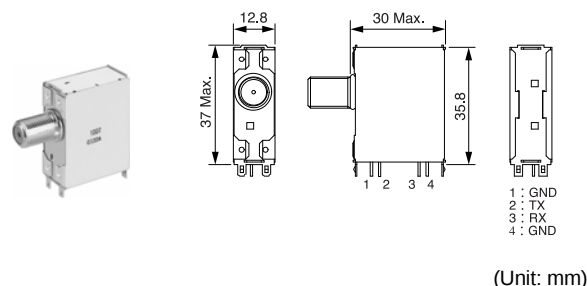


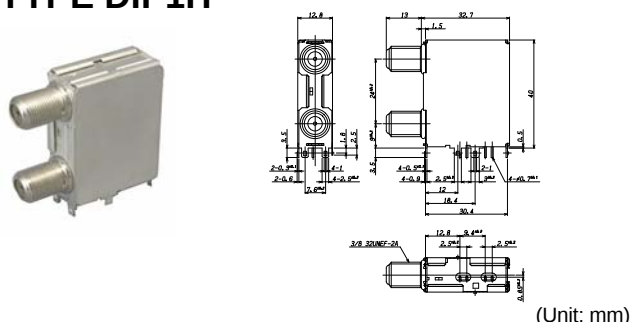
## TYPE DIP1A



## TYPE DIP1C



## TYPE DIP1H



The distributor is built into DIP1H 分配器内蔵

## Features

- Duplexer for digital CATV set top box and cable modem.
- Integrated type of Tx and Rx in the shield body with F connector.
- Low-profile : DIP1A, Narrow bottom area : DIP1C and DIP1H
- Connecting F type connector to cable and mounting TX and RX terminals on PCB ensure high performance diplexer.
- DIP1A with IEC61000-4-5 Level 4, UL60950-1 section 7 Lightning surge protection circuit.
- DIP1C with Lightning surge protection.
- DIP1H is a protection circuit of four IEC61000-4-5 level surge, and with built-in distributor .
- Designed to meet DOCSIS2.0, DOCSIS3.0, ANSI/SCTE.
- RoHS compliant

**特 長**

- デジタルCATVセットトップボックス用及びケーブルモデム用ダイプレクサ
- 金属シールドで覆われたF型コネクタ付きTx・Rx一体型構造
- 横型低背のDIP1Aタイプ、縦型省実装面積のDIP1C、DIP1Hタイプをラインナップ
- ケーブル接続用F型コネクタを組み込むことにより、TX，RX端子を基板上で接続するだけで高性能なダイプレクサが実現可能
- DIP1AにはIEC61000-4-5 レベル4，UL60950-1 section 7 対応サージ保護回路実装
- DIP1Cには雷サージ保護素子実装
- DIP1HはIEC61000-4-5 レベル4 サージ保護回路、分配器内蔵
- DOCSIS2.0,DOCSIS3.0, ANSI/SCTE対応
- RoHS 指令対応

## Applications

- Suitable for designing Open-cable set top box and Cable-Modem for Europe, USA and Asia

## 用途

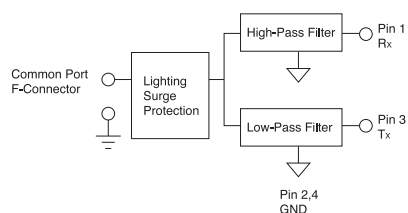
- 欧米、アジア地域のオープンケーブル仕様向けセットトップボックス、ケーブルモデムに最適

## Specifications 仕様

| Location | TOKO Parts.<br>NO. | Region of<br>Applications | Pass-band       |                  | Lightning Surge<br>Protection |
|----------|--------------------|---------------------------|-----------------|------------------|-------------------------------|
|          |                    |                           | Low Pass Filter | High Pass Filter |                               |
| USA      | #R975ABITN-1140A   | DIP1A                     | 5-42(MHz)       | 88-860(MHz)      | IEC61000-4-5 Level4           |
|          | #R975ABITN-1141A   | DIP1A                     | 5-42(MHz)       | 54-860(MHz)      | IEC61000-4-5 Level4           |
|          | #R975ABITN-1132*   | DIP1A                     | 5-42(MHz)       | 88-860(MHz)      | UL60950-1                     |
|          | #R975ABITN-1133*   | DIP1A                     | 5-42(MHz)       | 54-860(MHz)      | UL60950-1                     |
|          | R1020AAHPA-1006    | DIP1C                     | 5-42(MHz)       | 54-860(MHz)      | IEC61000 2kv                  |
|          | #R975ABITN-1180A   | DIP1A                     | 5-42(MHz)       | 54-1002(MHz)     | IEC61000-4-5 Level4           |
|          | #R975ABITN-1183A   | DIP1A                     | 5-85(MHz)       | 108-1002(MHz)    | IEC61000-4-5 Level4           |
| Euro     | #R975ABJVN-1142A   | DIP1A                     | 5-65(MHz)       | 108-860(MHz)     | IEC61000-4-5 Level4           |
|          | #R975ABJVN-1134*   | DIP1A                     | 5-65(MHz)       | 108-860(MHz)     | UL60950-1                     |
|          | #R975ABJVN-1181A   | DIP1A                     | 5-65(MHz)       | 88-1002(MHz)     | IEC61000-4-5 Level4           |
| JAPAN    | #R975ABITN-1143A   | DIP1A                     | 5-55(MHz)       | 90-860(MHz)      | IEC61000-4-5 Level4           |
|          | #R975ABITN-1135*   | DIP1A                     | 5-55(MHz)       | 90-860(MHz)      | UL60950-1                     |
|          | R1086ACITN-1001    | DIP1H                     | 5-55(MHz)       | 90-860(MHz)      | IEC61000-4-5 Level4           |

\* Compliant to ANSI/SCTE IPS SP 406 R6 6.1 Physical Dimensions only

#### Schematic 概要

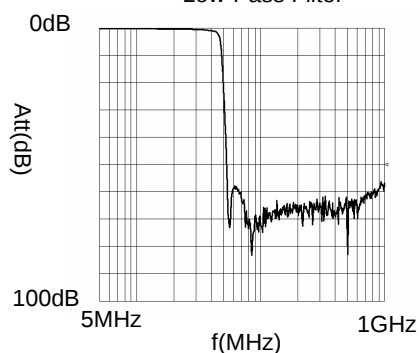


#### Frequency Characteristics 周波数特性

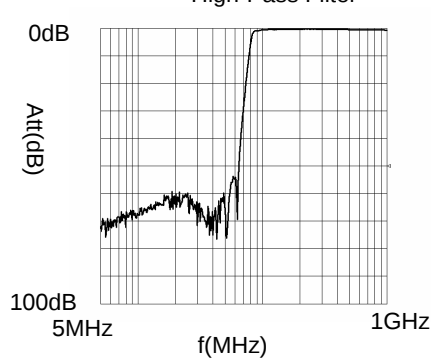
Typical Characteristic 代表特性例

DIP1A type. (P/N : #R975ACITN-1140)

Low-Pass Filter

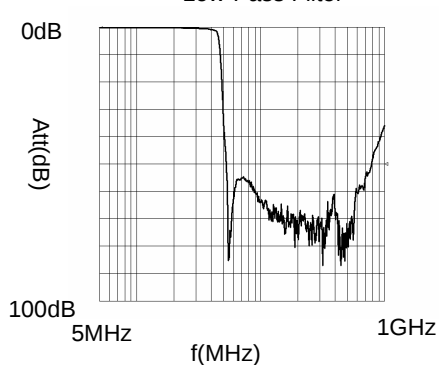


High-Pass Filter

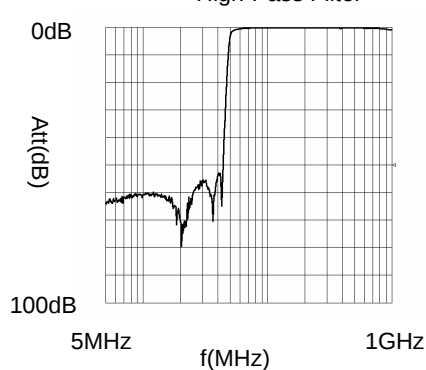


DIP1C type. (R1020AAHPA-1006)

Low-Pass Filter

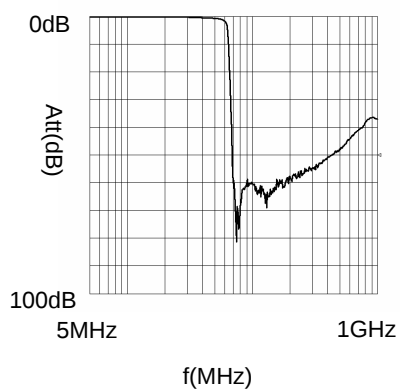


High-Pass Filter

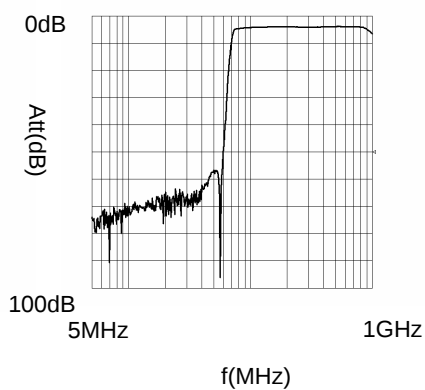


DIP1H type. (R1086ACITN-1001)

Low-Pass Filter



High-Pass Filter1



High-Pass Filter2

