

HFC SERIES

Features

HFC (High Frequency Connector) series are connectors that connect on-board multimedia devices, such as GPS, TV, VICS and etc., and coaxial wires. These are also suitable for mobile telephone and sensor circuit.

- It reduces reflection/transmission loss and restrains noise radiation. It achieved smaller size with higher performance.
- Hybrid types for high frequency coaxial wire and automobile wire (AV) are established. (It supports diversity receiving system).
- Retainer for secondary lock is assembled beforehand and the structure allows the high frequency coaxial wire and AV wire to be set by one operation. Therefore improvement of assembling operation can be planned.

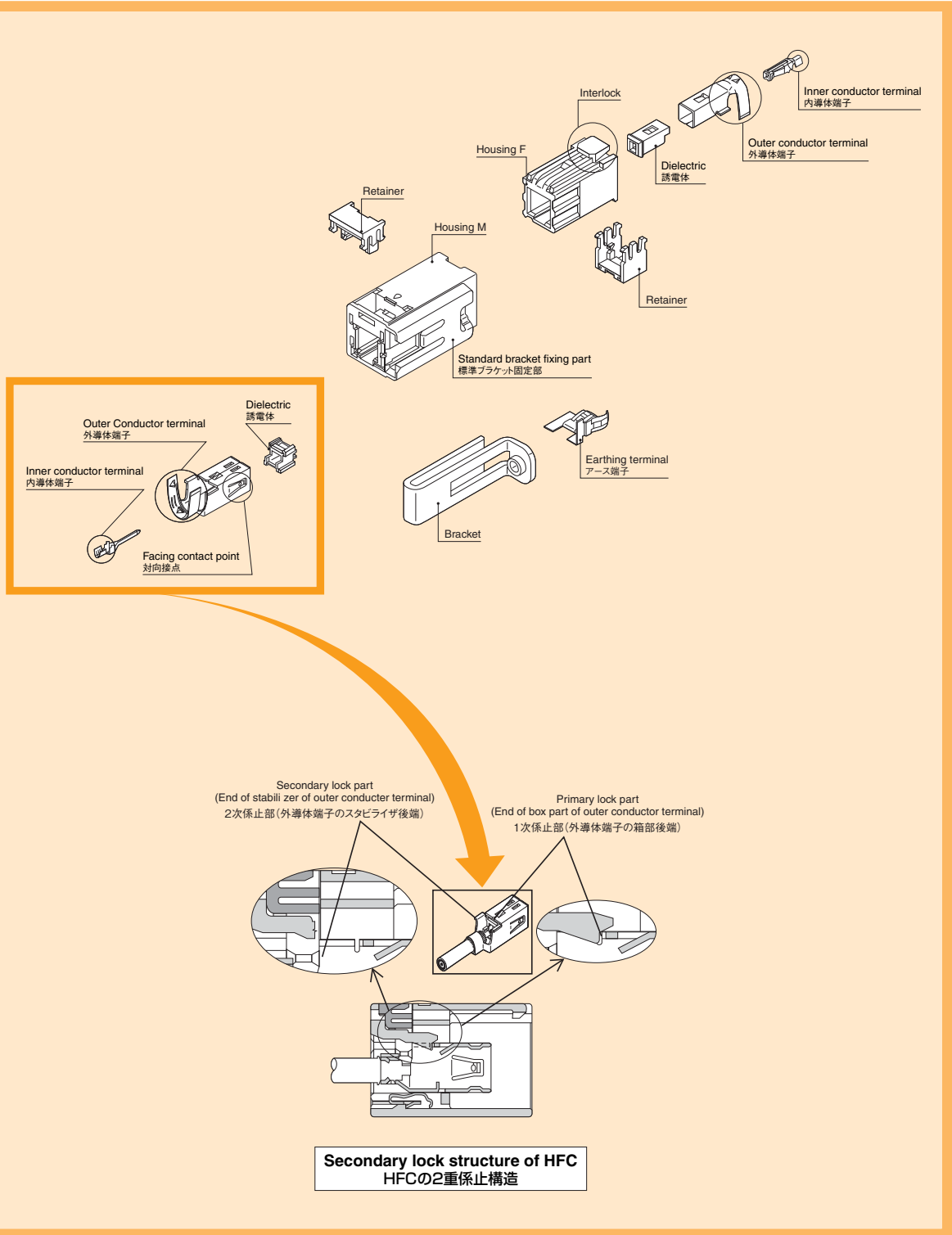
特長

HFCシリーズ (高周波コネクタ) はGPS・TV・VICSなどの車載マルチメディア機器と同じ同軸線の接続用コネクタで車載電話・センサ回路にも適したコネクタです。

- 伝送損失、反射、ノイズ放射を抑制し、小型高性能化を実現しています。
- 高周波同軸線と自動車用電線 (AV) のハイブリッドタイプを設定しています。(ダイバシティ受信方式に対応しています。)
- 二重係止用リテーナは予め組み付けられており、高周波同軸線とAV線が同一作業でセットできる構造により、組み付け作業の向上が図れます。

S-01

Structure / 構造



S-02

Basic specification / 基本仕様

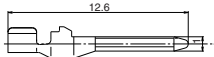
Type		1 way coaxial wire 1 way coaxial wire + 4 way AV wire 1 way coaxial wire + 6 way AV wire 2 way coaxial wire + 1 way AV wire 3 way coaxial wire + 6 way AV wire
Contact resistance 接触抵抗	Coaxial wire 同軸線	Max. 10mΩ (Initial / 初期)
Insulation resistance 絶縁抵抗	AV wire AV線	Max. 5mΩ (Initial / 初期)
Insulation resistance 絶縁抵抗		100MΩ or more
Working temperature 使用温度		-30°C ~ +80°C
VSWR (2.5Ghz)		1.3 (average)

Material 材質	M Terminal	Inner conductor 内導体	Brass (Sn plating) 黄銅 (Snメッキ)
		Outer conductor 外導体	
	F Terminal	Inner conductor 内導体	Phosphor bronze for spring (Sn plating) バネ用リン青銅 (Snメッキ)
		Outer conductor 外導体	Brass (Sn plating) 黄銅 (Snメッキ)

Note) AV wire = Max. AVSS0.5mm² (Terminal is TS040 type:Ref.A-10).
注) AV線 = 最大AVSS0.5mm² (ターミナルはTS040 : A-10参照)

Inner conductor terminal (mm)


M



- Quantity on one reel (piece)
- リール巻数 (個)
- 12000

S(8100-2798) M(8100-2799) L(8100-3204)

F

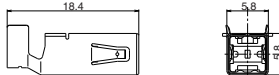


- Quantity on one reel (piece)
- リール巻数 (個)
- 12000

S(8100-2801) M(8100-2802) L(8100-3203)

Outer conductor terminal (mm)


M



- Quantity on one reel (piece)
- リール巻数 (個)
- M : 1500
- L : 1000

M(8100-3457) L(8100-3458)

F



- Quantity on one reel (piece)
- リール巻数 (個)
- M : 1500
- L : 1000

M(8100-3459) L(8100-3460)

S-03

Applicable coaxial wire / 適用同軸線

Applicable coaxial wire (Note 1) 適用同軸線 注1)	1.5C-2V	1.5D-2V	2.4D	Low capacity 低容量
Inner conductor terminal 内導体ターミナル	S	M	L	(Note 2) 注2)
Outer conductor terminal 外導体ターミナル	M	M	L	L

(Note 1) For some coaxial wire and wire makers, it might be inapplicable. Please contact our sales representative for more details.

(Note 2) Please refer to instruction manual (T-250) for matching of applicable coaxial wires and terminals.

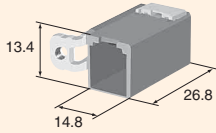
注1) 同軸線、電線メーカーによっては適用できないことがありますので弊社営業担当にお問い合わせ下さい。

注2) 適用同軸線及び適合ターミナルの組み合わせについては、取扱説明書(T-250)をご参照ください。

Housing (mm)

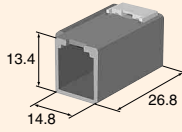
1 way
coaxial
wire

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	With bracket



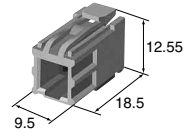
M(6098-2714) Atype

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	Without bracket



M(6098-2712) Atype

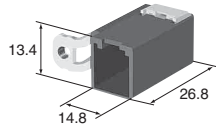
Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green



F(6098-2724) Atype

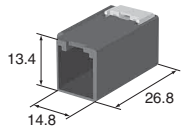
1 way
coaxial
wire

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	With bracket



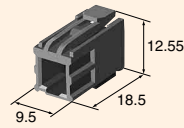
M(6098-2963) Btype

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	Without bracket



M(6098-2965) Btype

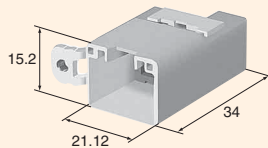
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Color 色相	Green



F(6098-2961) Btype

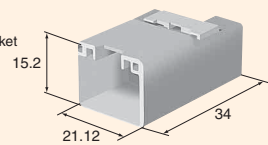
S-04

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	With bracket



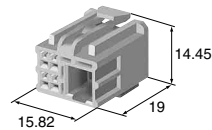
M(6098-2719)

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	Without bracket



M(6098-2718)

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green

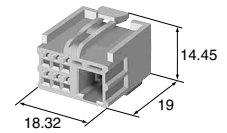


F(6098-2726)

1 way coaxial
wire + 4 way
AV wire

1 way coaxial
wire + 6 way
AV wire

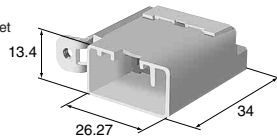
Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Natural



F(6098-4744)

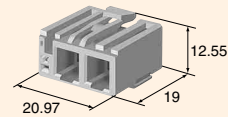
2 way coaxial
wire + 1 way
AV wire

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	With bracket



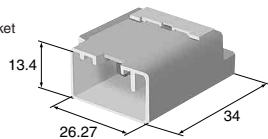
M(6098-2722)

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green



F(6098-2728)

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	Without bracket

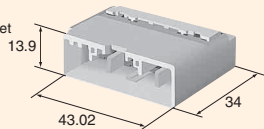


M(6098-2721)

3 way coaxial
wire + 6 way
AV wire

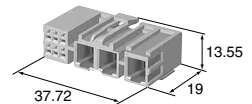
Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green
Note 備考	Without bracket

※ Without earthing terminal
アースターミナル無し



M(6098-2949)

Ref: Terminal part No. ターミナル参照頁	S-03
Color 色相	Green



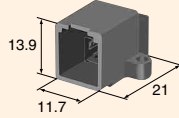
F(6098-2951)

S-05

Housing (mm)

1 way
coaxial
wire

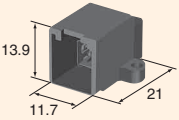
Connector F part No. Fコネクタ品番	(6098-2724)
Material 材質	P.B.T.
Color 色相	Green



M(6098-4057) A type

1 way
coaxial
wire

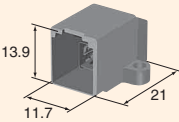
Connector F part No. Fコネクタ品番	(6098-2961)
Material 材質	P.B.T.
Color 色相	Green



M(6098-4059) B type

1 way
coaxial
wire

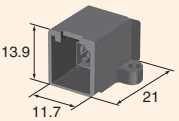
Connector F part No. Fコネクタ品番	(6098-2724)
Material 材質	S.P.S.
Color 色相	Green



M(6098-5164) A type

1 way
coaxial
wire

Connector F part No. Fコネクタ品番	(6098-2961)
Material 材質	S.P.S.
Color 色相	Green

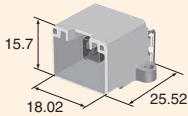


M(6098-5168) B type

S-06

1 way coaxial
wire + 4 way
AV wire

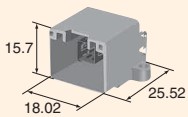
Connector F part No. Fコネクタ品番	(6098-2726)
Material 材質	P.B.T.
Color 色相	Green



M(6098-4052)

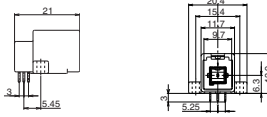
1 way coaxial
wire + 4 way
AV wire

Connector F part No. Fコネクタ品番	(6098-2726)
Material 材質	S.P.S.
Color 色相	Green

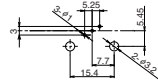


M(6098-5159)

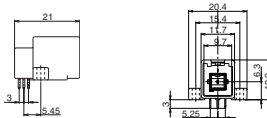
● Dimensional drawing



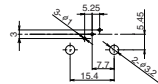
● Mounting drawing



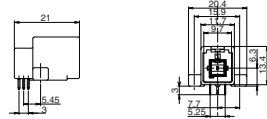
● Dimensional drawing



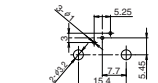
● Mounting drawing



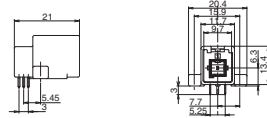
● Dimensional drawing



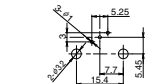
● Mounting drawing



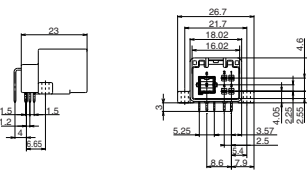
● Dimensional drawing



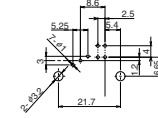
● Mounting drawing



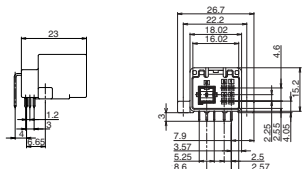
● Dimensional drawing



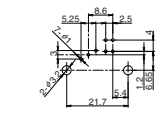
● Mounting drawing



● Dimensional drawing

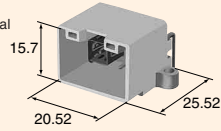


● Mounting drawing



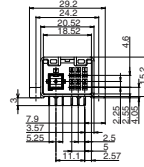
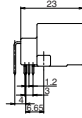
1 way coaxial wire + 6 way AV wire

Connector F part No. Fコネクタ品番	(6098-4744)
Material 材質	P.B.T.
Color 色相	Natural

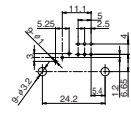


M(6098-4742)

● Dimensional drawing

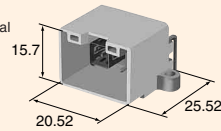


● Mounting drawing



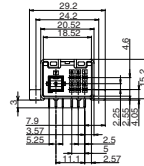
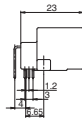
1 way coaxial wire + 6 way AV wire

Connector F part No. Fコネクタ品番	(6098-4744)
Material 材質	S.P.S.
Color 色相	Natural

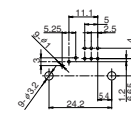


M(6098-5224)

● Dimensional drawing

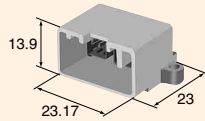


● Mounting drawing



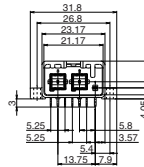
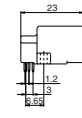
2 way coaxial wire + 1 way AV wire

Connector F part No. Fコネクタ品番	(6098-2728)
Material 材質	P.B.T.
Color 色相	Green

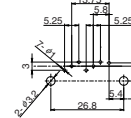


M(6098-4053)

● Dimensional drawing

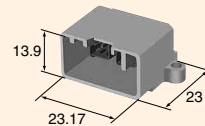


● Mounting drawing



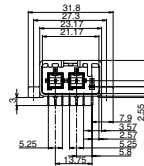
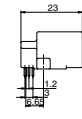
2 way coaxial wire + 1 way AV wire

Connector F part No. Fコネクタ品番	(6098-2728)
Material 材質	S.P.S.
Color 色相	Green

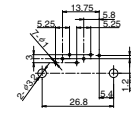


M(6098-5174)

● Dimensional drawing

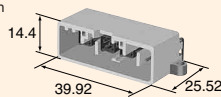


● Mounting drawing



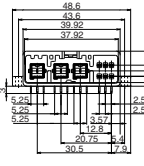
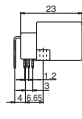
3 way coaxial wire + 6 way AV wire (Horizontal type)

Connector F part No. Fコネクタ品番	(6098-2951)
Material 材質	P.B.T.
Color 色相	Green



M(6098-4055)

● Dimensional drawing



● Mounting drawing

