

COAXIAL CONNECTOR



Coaxial Connector BFA Type

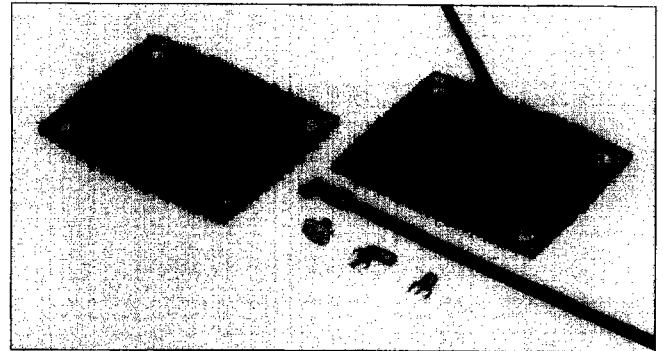
**Discrete type. Easily Handling.
Strong Engage Force.**

FEATURES

1. Ultra-miniature and low profile (6.3mm Max.)
2. High performance (VSWR 1.2Max. at 4GHz)
3. Very reasonable price for commercial applications.
4. Cable assembly applicable.
5. Low RF leakage
6. Available for ultra-thin coaxial cables.

APPLICATIONS

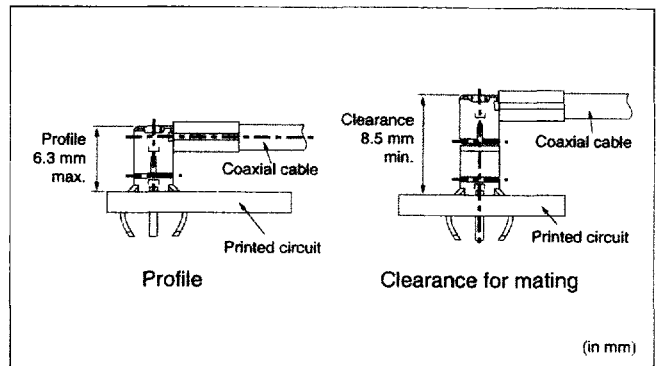
Portable telephones, mobile telephones, cordless telephones, oscilloscope, GPS, and any other R.F. circuits for microwave equipment.



PART NUMBER

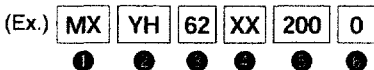
Part Number	Description	Contact
MM3325-2505	Straight receptacle used on printed circuit board	Male
MM3325-2607	Straight receptacle with insulation spacer used on printed circuit board	Male
MM3326-2505	Right angle receptacle used on printed circuit board	Male
MX ^① YH ^② 62 ^③ XX ^④ 200 ^⑤ 0 ^⑥	Right angle cable assembly with flexible cable	Female

DIMENSIONS



PART NUMBERING FOR CABLE ASSEMBLY

(Please specify the part number when ordering.)



- ① Cable assembly
- ② Connector code

Code	Connector
YH	BFA type Plug connector
XX	None

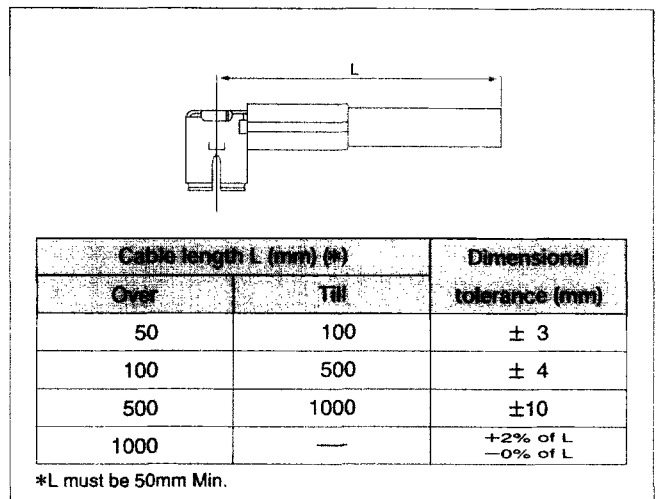
③ Cable code (See cable list on page 23 to 24 for detail.)

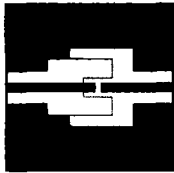
Code	Cable	Outer Diameter	Outer conductor construction	Insulation material	Minimum Bending radius
62	0.8D (*)	2.5mm	Double shield	Cross-linked Polyethylene	10mm
63	0.8D (*)	2.0mm	Single shield	Cross-linked Polyethylene	8mm
75	0.8D (*)	1.5mm	Double shield	FEP	8mm

(*) Based on Japanese Industrial Standard (JIS).

- ④ Full length of cable assembly
Length (mm) = ⑤ × 10^⑥
Ex. : 100mm = 100 × 10⁰ → 1000
500mm = 500 × 10⁰ → 5000
1000mm = 100 × 10¹ → 1001

CABLE LENGTH TOLERANCE





COAXIAL CONNECTOR

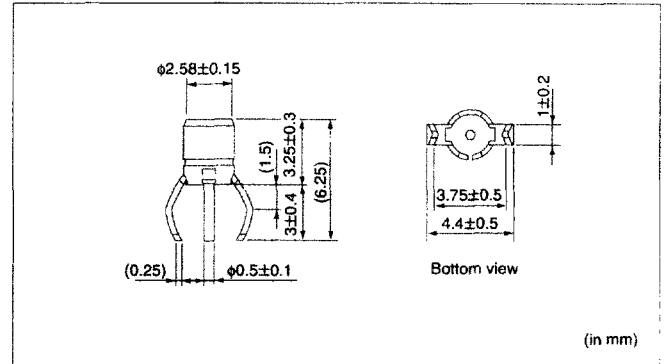


Coaxial Connector BFA Type

RATING AND CHARACTERISTICS

Item	Specification
Voltage Rating	250Vrms
Frequency Rating and VSWR	DC to 4GHz 1.2 Max.
	DC to 2GHz 1.2 Max.
	(MM3326-2506)
Nominal Impedance	50Ω
Temperature Range	-40°C to +90°C
Insulation Resistance	1000MΩ Min.
Contact Resistance	10mΩ Max.
Withstanding Voltage	AC300Vrms
Durability	50 cycles

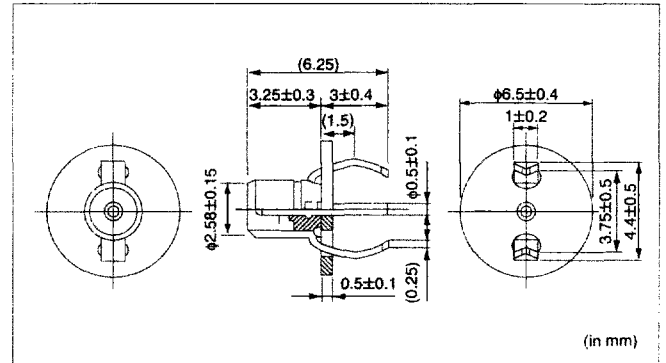
DIMENSIONS (MM3325-2505)



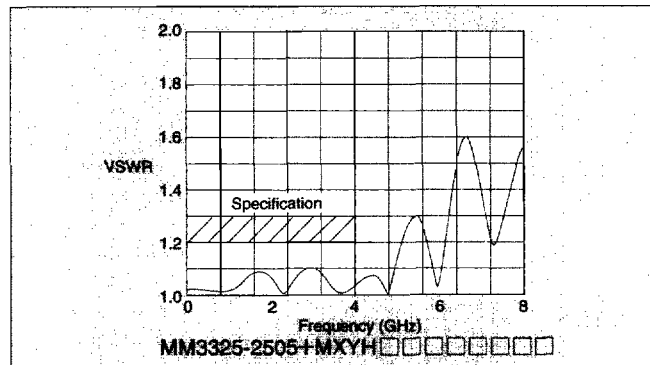
MATERIALS AND FINISH

Part Name	Materials	Finish
Center Contact	Beryllium copper or Brass	Gold plated
Outer Contact	Phosper bronze	Silver plated and Nickel plated
Insulator	Poly-phenylene Sulfide	None
Insulation Plate	Poly-butylene terephthalate	None
Spacer (MM3325-2507)	TFE Fluorocarbon	None
Outer Sleeve	Brass	Zinc plated

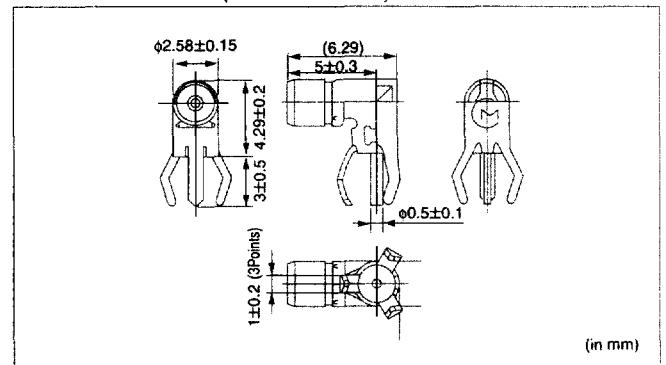
DIMENSIONS (MM3325-2507)



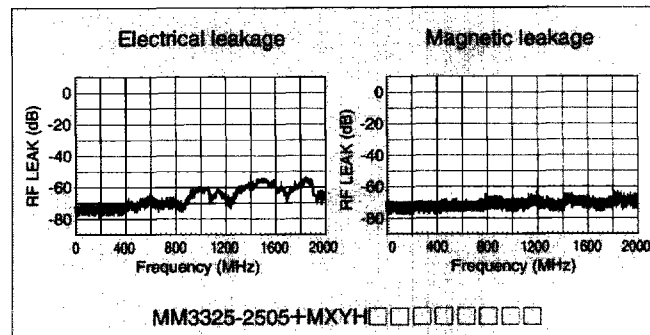
VSWR TYPICAL DATA



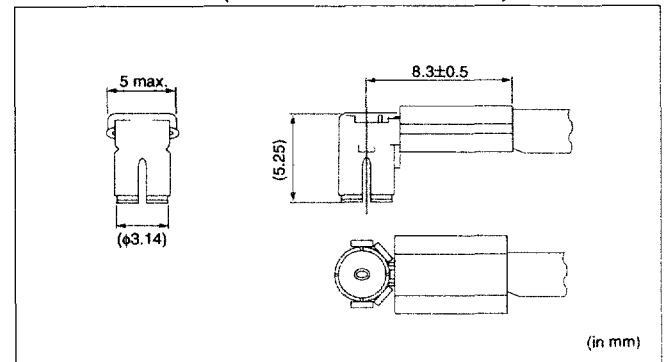
DIMENSIONS (MM3326-2506)

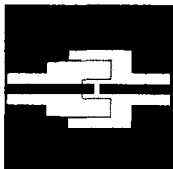


R.F. LEAKAGE TYPICAL DATA



DIMENSIONS (MXYH □□□□□□□□)





COAXIAL CONNECTOR



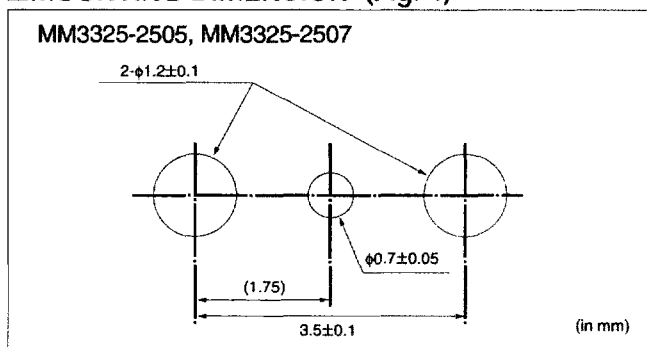
Coaxial Connector BFA Type

NOTICE

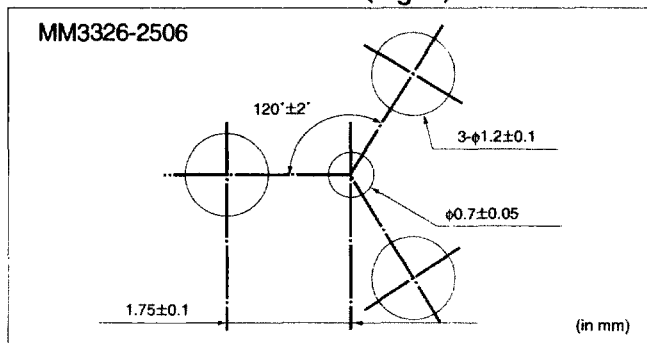
If this notice is not kept, it has possible that the mating portion or the cable cramping portion is destroyed.

1. P.C.B. mount pattern dimension :
Dimensions shown in Fig. 1 and Fig. 2 should be used for the P.C.B. design.
2. Stress limit to the connector :
When connected, stress to the connector should be limited as show Fig.3.
3. Insertion should be made straight to the axis of the connector.
4. Disengagement :
Use tool P/N M16000 or M16001. The connector to be disengaged should be pulled out to the vertical direction. Do not try to pull out by the cable.
5. Cable and connector handling :
Do not give a twisted torque to the cable and connector.
6. When MM3325-2505, MM3325-2507 and MM3326-2506 were soldered on P.C.B.,
 - Use Rosin based flux, but not strong acid flux (with chlorine content exceeding 0.20wt%).
 - Flux should not be left inside of product.
7. Washing :
In case of cleaning the receptacle, please dry out the receptacle immediately after cleaning. Do not wash cable assembly.
8. Storage of product
Temperature: -10 to +40°C
Humidity : 30 - 80%RH

MOUNTING DIMENSION (Fig. 1)

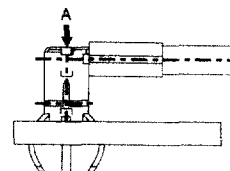


MOUNTING DIMENSION (Fig. 2)

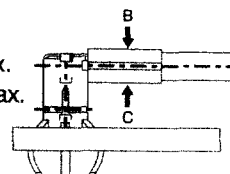


STRESS TO THE CONNECTOR (Fig. 3)

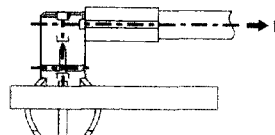
1. Stress to the housing.
Stress A : 9.8N (1kgf) Max.



2. Stress to the outer sleeve.
Stress B : 4.9N (0.5kgf) Max.
Stress C : 2.94N (0.3kgf) Max.

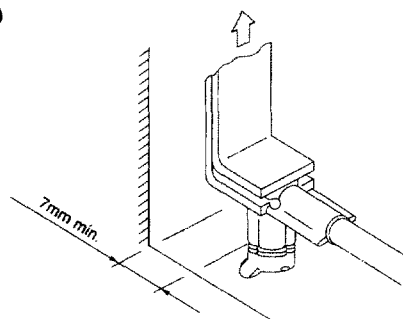


3. Stress to the cable.
Stress D : 9.8N (1kgf)Max.

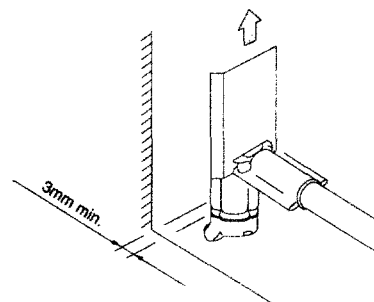


HOW TO USE DISENGAGEMENT TOOLS (Fig. 4)

M16000



M16001



M16001 allows a narrower space (3mm) between the connector and adjacent obstacle. See Fig. 5 for the detail.

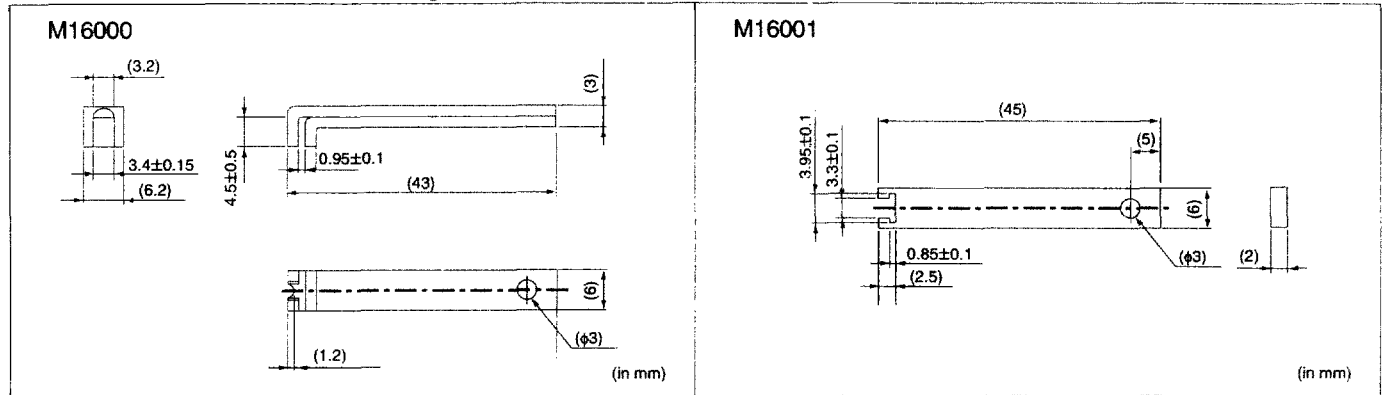


COAXIAL CONNECTOR



Coaxial Connector BFA Type

DISENGAGEMENT TOOLS (Fig. 5)



SMA-BFA ADAPTERS (Fig. 6)

