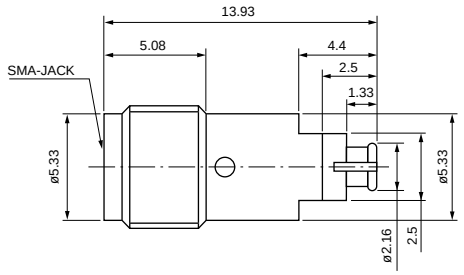
■ Measurement Probe Dimensions

for Receptacle

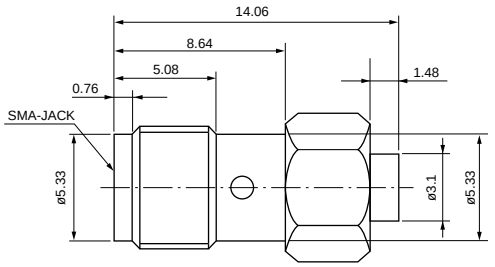
MM121454 (For FSC type receptacle)



(in mm)

for Cable Assembly

MM121460 (For FSC type cable assembly)

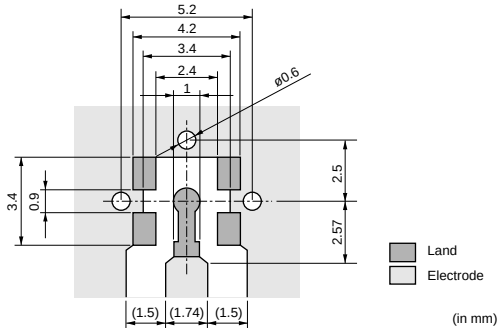


(in mm)

3

■ Land Pattern Dimensions

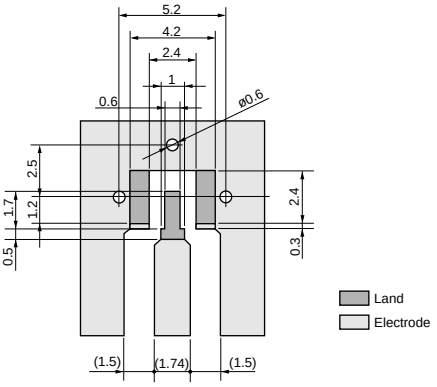
MM7329-2700B



(in mm)

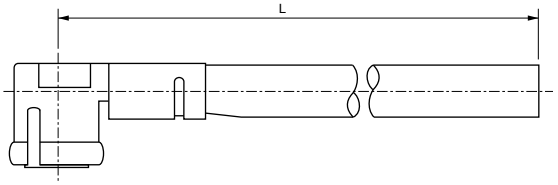
(Note) · Please design I/O pattern so that the impedance matches 50 ohm including the land pattern.
· The material of P.C.B. is the epoxy resin of glass fabric base. (εr=4.8)Thickness is 1.0mm.
· The solder resist should be printed except for the land pattern on the P.C.B.

MM7329-2702B



(in mm)

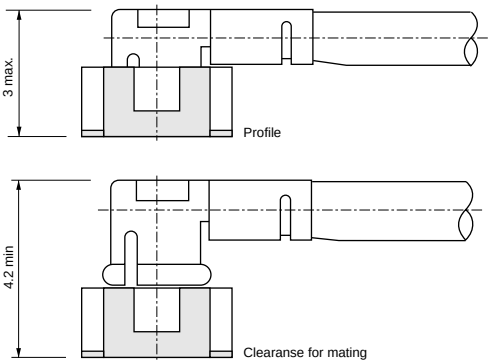
■ Cable Length Tolerance



Cable Length L(mm)(∗)		Dimensional tolerance(mm)
Over	Till	
40	100	± 3
100	500	± 4
500	1000	±10
1000	–	+2% of L −0% of L

∗L must be 40mm Min.

■ Profile Dimensions



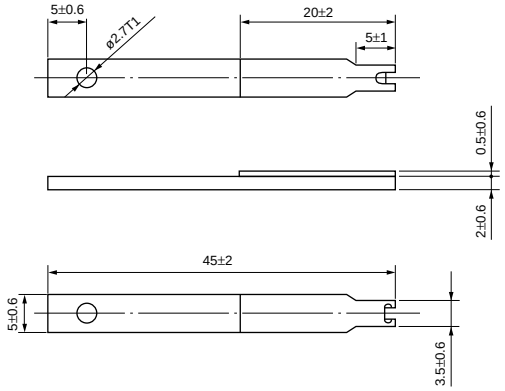
(in mm)

Continued on the following page.

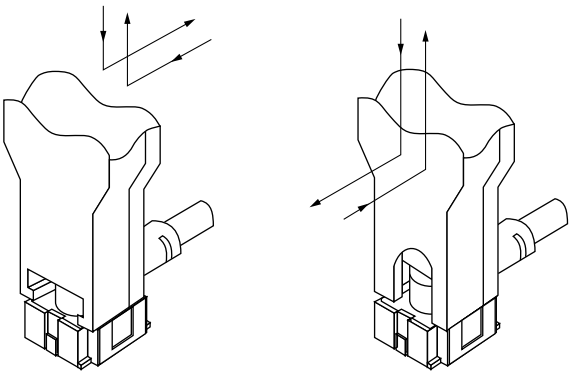
Continued from the preceding page.

■ Disengagement Tool

M19000 (for MM7329-2700B)

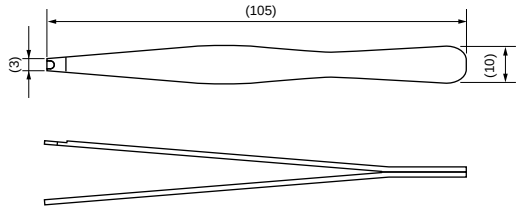


How to use tool (for MM7329-2700B)

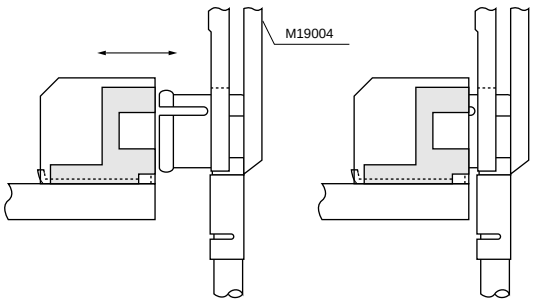


(in mm)

M19004 (for MM7329-2702B)



How to use tool (for MM7329-2702B)



(in mm)

3

Notice

■ Notice (Storage and Operating Condition)

1. Environment Conditions

(1) This product is designed for use of electrical equipment in the environment (temperature, humidity, atmospheric pressure and etc.) specified in this approval drawing: it may not be used in the following environments or under the following conditions :

(a) Ambient air containing corrosive gas (Chlorine gas, Hydrogen sulfide gas, Ammonia gas, Sulfuric acid gas, Nitric oxie gas, etc.)

(b) Ambient air containing volatile or combustible gas.

(c) In liquid (water, oil, chemical solution, organic solvents, etc.)

(d) In environments with a high concentration of airborne particles.

(e) In direct sunlight

(f) Other environments similar to the above conditions.

(2) Contact the manufacturer before using the product in any of the above environments or under any of the above conditions.

2. Storage

Store in manufacturer's package or tightly re-closed box with the following conditions. Use this product within 6 months after receipt. Check the terminal solderability before use, if the product has been stored for more than 6 months.

Temperature : -10 to +40 degree C

Humidity : 15 to 85 % RH

Notice

■ Notice (Soldering and Mounting)

1. Reflow soldering

Soldering must be carried out without exceeding the allow able soldering temperature and time shown within the shaded area of FIGURE "Allowable Temperature and Time of Reflow Soldering".

In case the soldering is repeated, the maximum time in FIGURE "Allowable Temperature and Time of Reflow Soldering" should be accumulated time. The standard soldering conditions are shown in FIGURE "Reflow Soldering Standard Conditions".

Use the Pattern and Metal mask pattern is illustrated in details.

There is the possibility at receptacle to solder-joint with some gap in between PCB by the excess solder.

2. Soldering by soldering iron

Soldering by soldering iron should be carried out in accordance to the following conditions.

Pre-heating	Temperature	150 degree C
	Time	60 to 120 s.
Soldering	Temperature (at the tip of the soldering iron) less than 350 degree C	
	Time	less than 3 s.

3. We cannot warrant against mishaps caused by any use of this product that deviates from allowable temperature and time of reflow soldering.

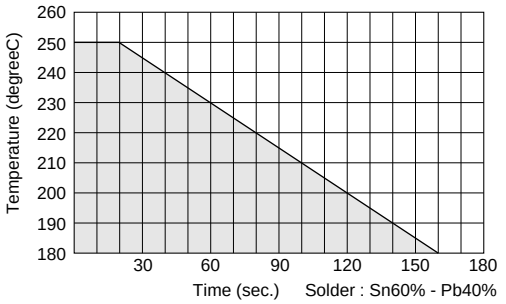
4. In soldering, do not apply excessive mechanical force to terminals or leads greater than specified in the drawing.

5. Please note the following in case of soldering terminals or leads of the product.
   (1) Use Rosin based flux, but not with strong acid flux (Chlorine content should be less than 0.20wt%).
   (2) Flux should be cleaned thoroughly.

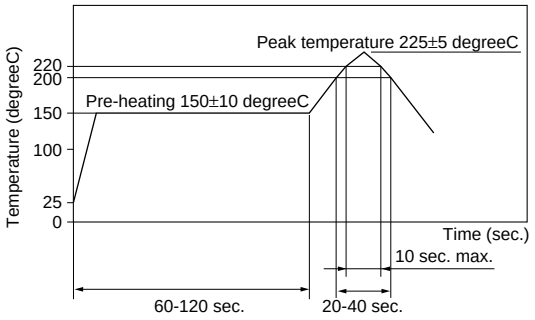
6. Please mount this product at the position so that stress by wrap and/or bend of the PCB may not apply to it.

7. Please dry out this product immediately after soldering and cleaning.

Allowable Temperature and Time Reflow Soldering



Reflow Soldering Standard Conditions



Measuring point of temperature : In-Out Terminals of Device
Reflow Soldering : Both Convection and Infrared Rays
: Hot Air
: Hot Plate

Continued on the following page.

3

Notice

Continued from the preceding page.

■ Notice (Handling)

1. Usage Condition

(1) Do not apply electrical voltage greater than specified in the drawing. It might because of degradation or destruction of the product. Even if it endures during a short time, long time qualification is not guaranteed.

(2) Confirm that there are not any influence to the product's performance which might because by other components which touch with the product.

(3) Please contact the manufacturer before hand, if the product is to be used in frequently bent position.

2. Handling

(1) Do not apply excessive shock or load to subassembly like soldered printed circuit board in case of handling and transporting it.

(2) Do not try to pull the cable, when a connector with a coaxial cable is handled.

(3) Disregard with following notes could give mechanical damage and/or poor electrical performance.

3. Handling Instructions

(1) This cable is just only fit with MM7329-2700B and MM7329-2702B receptacle. Any other receptable can not be used with this cable.

(2) Disengagement:
Use tool P/N M19000 (for MM7329-2700B) or M19004 (for MM7329-2702B). Do not try to pull out by the cable, because there is the possibility a wire breaks.

(3) Do not give a twisted torque to the cable and connector.

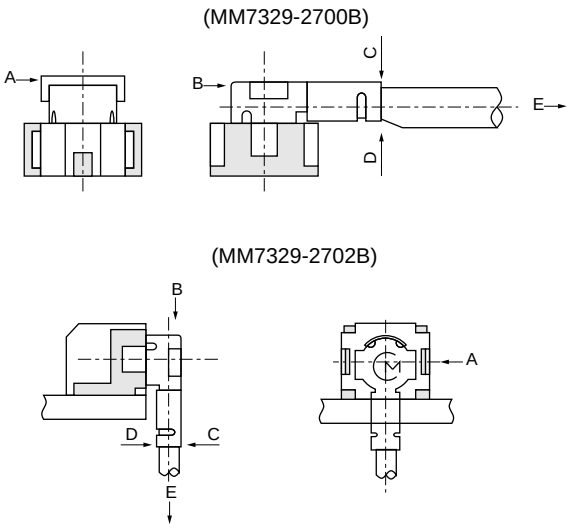
(4) Mechancical stress:
The stress to the connector should be limited as shown the following Figure1.

(a) Stress to the housing.
Stress A and B: 4.9N Max.

(b) Stress to the outer sleeve.
Stress C: 2.94N Max.
Stress D: 1.96N Max.

(c) Cable pull strength.
Stress E: 7.84N Max. (for MM7329-2700B)
4.9N Max. (for MM7329-2702B)

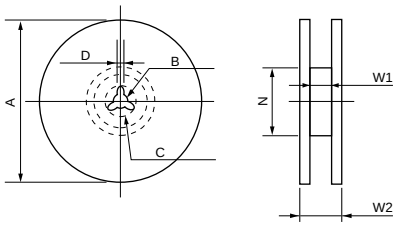
Figure 1. Mechanical stress after engagement



Package

■ Dimensions of Reel

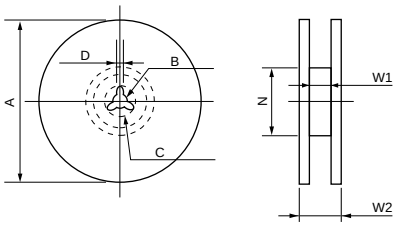
MM7329-2700RA1/RB4



(in mm)

Murata Part Number	A	B	C	D	N (min.)	W1	W2 (max.)
MM7329-2700RA1	178	13	21	2	Dia. 50	13.5	18.5
MM7329-2700RB4	330	13	21	2	Dia. 50	13.5	18.5
TOLERANSE	±2.0	±0.5	±0.8	±0.5	–	±1.5	–

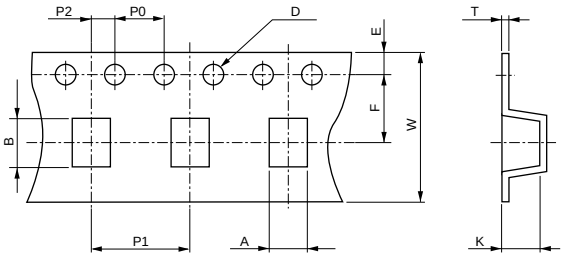
MM7329-2702RAB/RB2



(in mm)

Murata Part Number	A	B	C	D	N (min.)	W1	W2 (max.)
MM7329-2702RAB	178	13	21	2	Dia. 50	13.5	18.5
MM7329-2702RB2	330	13	21	2	Dia. 50	13.5	18.5
TOLERANSE	±2.0	±0.5	±0.8	±0.5	–	±1.5	–

■ Dimensions of Taping



A	B	W	D	E	F	K	P0
3.9±0.1	3.7±0.1	12±0.2	ø1.5$^{+0.1}_{0}$	1.75±0.1	5.5±0.1	3±0.15	4±0.1

P1	P2	T
8±0.1	2±0.1	0.3±0.05

(in mm)

■ Minimum Quantity

MM7329-2700RA1: 180 mm dia. reel/1000 pcs.
MM7329-2700RB4: 330 mm dia. reel/4000 pcs.
MM7329-2700B : Bulk/free
MM7329-2702RAB: 180 mm dia. reel/ 500 pcs.
MM7329-2702RB2: 330 mm dia. reel/2000 pcs.
MM7329-2702B : Bulk/free

Microwave Coaxial Connectors

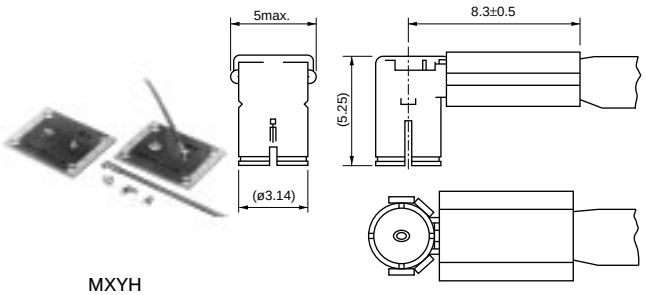
Low Pofile BFA Type

■ Features

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

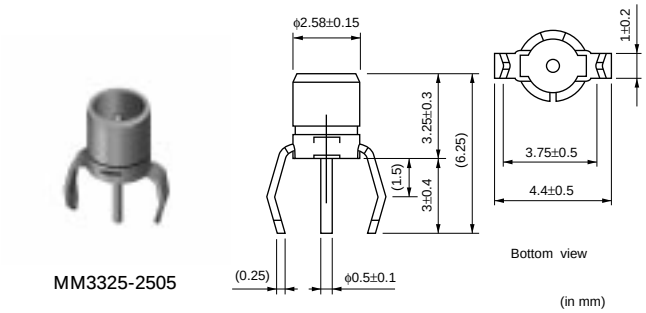
■ Applications

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



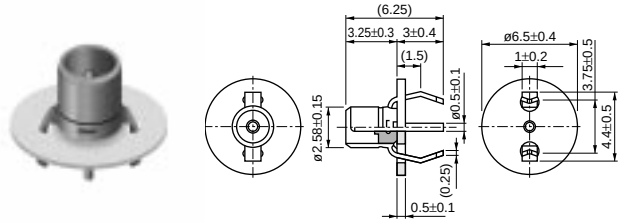
MXYH

(in mm)



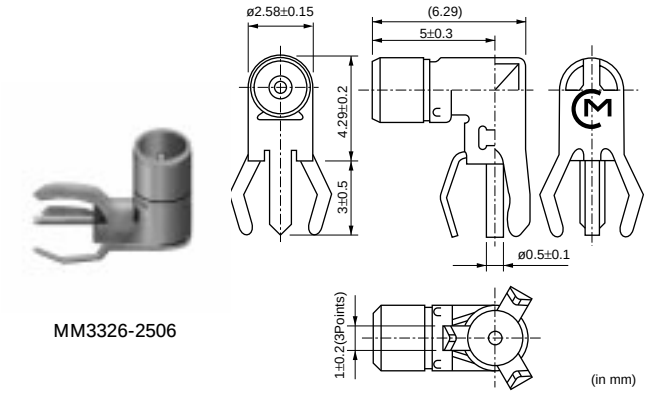
MM3325-2505

(in mm)



MM3325-2507

(in mm)



MM3326-2506

(in mm)

Part Number	Rated Voltage (V)	Contact Resistance (ohm)	Withstanding Voltage (rms)	Insulation Resistance (M ohm)	Durability (cycles)	Frequency Rating (GHz)	Temperature Range (degree C)	VSWR	Center Contact	Outer Contact	Insulator
MM3325-2505	250	0.01 max.	300 (AC)	1000 min.	50	DC - 4.0	-40~+90	1.2 max.	Beryllium copper or Brass Gold plated	Phosper bronze Silver/Nickel plated	Poly-phenylene Sulfide
MM3325-2507	250	0.01 max.	300 (AC)	1000 min.	50	DC - 4.0	-40~+90	1.2 max.	Beryllium copper or Brass Gold plated	Phosper bronze Silver/Nickel plated	Poly-phenylene Sulfide
MM3326-2506	250	0.01 max.	300 (AC)	1000 min.	50	DC - 2.0	-40~+90	1.2 max.	Beryllium copper or Brass Gold plated	Phosper bronze Silver/Nickel plated	Poly-phenylene Sulfide

Impedance : 50 ohm