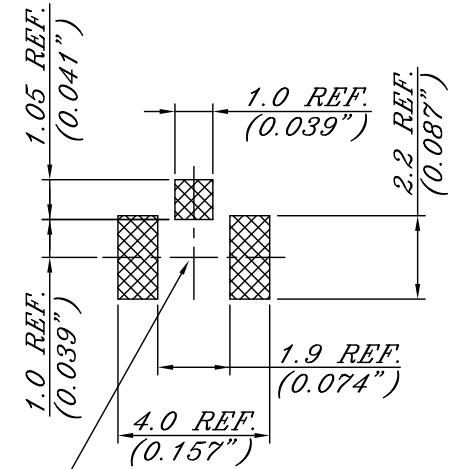
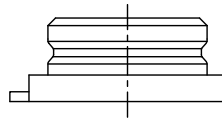
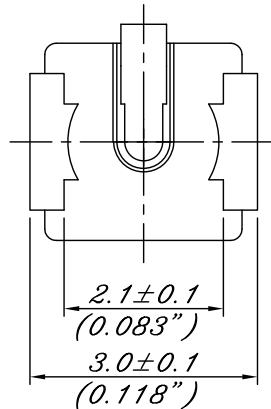
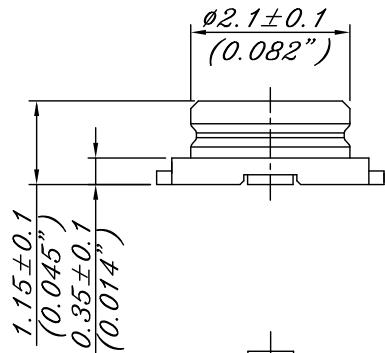
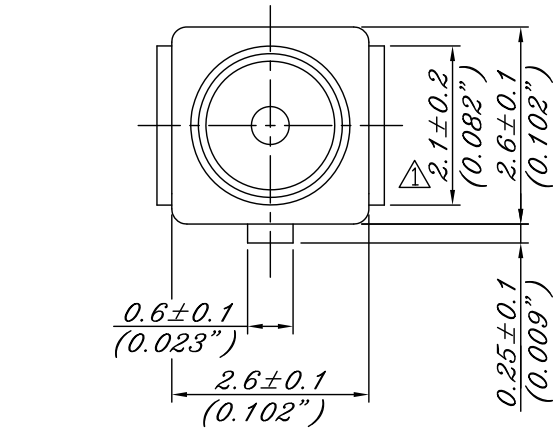


# 1. DIMENSION

Unless otherwise specified all Dimensions in millimeters & inches. Values in brackets are inches equivalents.



CUT OUT PROHIBITION AREA

RECOMMENDED P.C.B PATTERN

UNLESS OTHERWISE SPECIFIED TOLERANCE

REMOVE BURRS & SHARP EDGES .250 MAX  
MACHINE FILLET RADIUS .250 R MAX  
ALL DIAS. TO BE CONCENTRIC  
WITHIN .125 T.I.R.  
INTERPRETATION PER MIL STD  
8 10 & 12

RoHS Compliant

TOLERANCES ARE

**MORETHANALL**  
PCB CONNECTORS  
Cable ASSEMBLIES

DRAWING BY CY

X.±

CHECKED BY GENIUS

.X±

UNIT / mm

SCALE 1:1

.XX±

DATE

.XXX±

ANG±

SIZE A4

PJECTION

照片框

ORDER INFORMATION

MHF21-JVR-50-LF

SERIES LEADFREE  
50 OHM  
REEL  
180°SMT  
JACK

煜倫股份有限公司

www.morethanall.com

DESCRIPTION: COAX. MICROWAVE CONNECTOR (O/D #2.1)

## 2. PART LIST

<i>NO</i>	<i>DESCRIPTION</i>	<i>MATERIAL &amp; TREATMENT</i>	<i>REMARK</i>
1	INSULATOR	LCP (UL94V-0) - UL File No. E106764	
2	CENTER CONTACT	BRASS WITH GOLD PLATING	
3	GROUND CONTACT	BRASS WITH SILVER PLATING	

RoHS Compliant

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DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm SCALE 1:1

DATE

SIZE A4


X. ±  
.X ±  
.XX ±  
.XXX ±  
ANG ±

PJECTION 

照片框

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JACK

DESCRIPTION: COAX. MICROWAVE CONNECTOR (O/D Ø2.1)

# 3. CHARACTER

ITEM		SPECIFICATION	CONDITIONS
1. CONTACT RESISTANCE		CENTER: 20 mΩ MAX. OUTSIDE: 10 mΩ MAX.	MEASURED AT 10 mA MAX.
2. INSULATION RESISTANCE		500 MΩ MIN.	MEASURED AT 100 V DC
3. WITHSTAND VOLTAGE		NO LINE OR INSULATION BREAKDOWN	200 V AC FOR 1 MINUTE
4. V.S.W.R.	MC-901	1.3 MAX.	0 TO 6 GHz
	MC-921		
5. FEMALE CONTACT HOLDING FORCE		0.15 N MIN.	MEASURED WITH A #0.475 PIN GAUGE
6. REPETITIVE OPERATION		CONTACT RESISTANCE 25 mΩ MAX.(CENTER) 15 mΩ MAX.(OUTSIDE)	30 CYCLES OF INSERTION AND DISENGAGEMENT
7. VIBRATION		NO MOMENTARY DISCONNECTIONS OF 1 μS MIN. NO DAMAGE, CRACKS, OR PARTS LOOSENESS MIN.	FREQUENCY IF 10 TO 100 Hz, SINGLE AMPLITUDE OF 1.5 mm, ACCELERATION OF 59 m/s <sup>2</sup> FOR 5 CYCLES IN THE DIRECTION OF EACH OF THE 3 AXES.
8. SHOCK		NO MOMENTARY DISCONNECTIONS OF 1 μS MIN. NO DAMAGE, CRACKS, OR PARTS LOOSENESS MIN.	ACCELERATION OF 735 m/s <sup>2</sup> , 11 ms DUARTION SINE HALF-WAVE WAVEFORM FOR 6 CYCLES IN THE DIRECTION OF EACH OF THE 3 AXES.
9. HUMIDITY RESISTANCE STEADY STATE		NO DAMAGE, CRACKS, OR PARTS LOOSENESS MIN. INSULATION RESISTANCE 100 MΩ MIN.(HIGH TEMPERATURE) INSULATION RESISTANCE 500 MΩ MIN.(PRY)	TEMPERATURE OF 40°C, HUMIDITY OF 95% LET STAND FOR 96 HOURS
10. TEMPERATURE CYCLE		NO DAMAGE, CRACKS, OR PARTS LOOSENESS MIN. CONTACT RESISTANCE 25 mΩ MAX.(CENTER) 15 mΩ MAX.(OUTSIDE)	TEMPERATURE: -40°C → +35°C → +90°C → 35°C TIME: 30 min. 5 min. 30min. 5 min. CYCLES: 5 FOR 1 CYCLE
11. SALT SPRAY TEST		NO VISUAL CORROSION	48 HOURS CONDINUOUS EXPOSURE TO 5% SALT WATER

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DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm

SCALE 1:1

DATE

SIZE A4


PJECTION 

X. ±  
.X ±  
.XX ±  
.XXX ±  
ANG ±

照片框

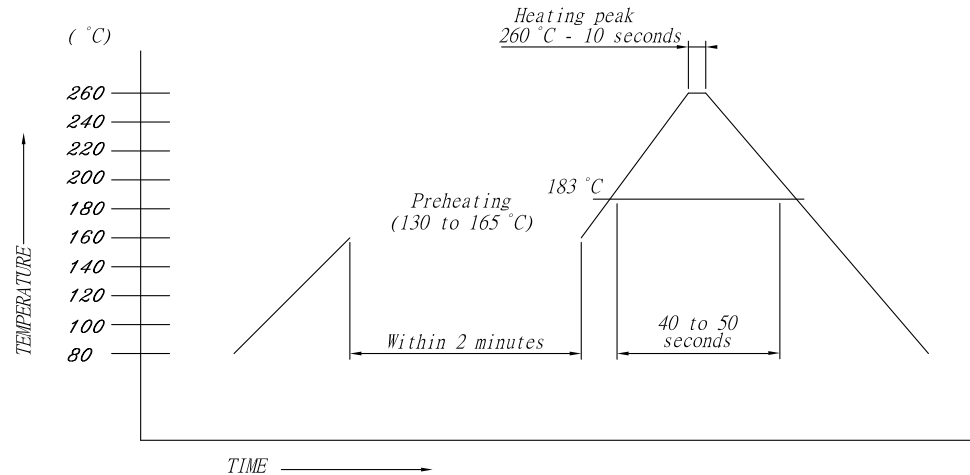
ORDER INFORMATION

MHF21-JVR-50-LF

SERIES  LEADFREE  
50 OHM  
REEL  
180°SMT  
JACK

DESCRIPTION: COAX. MICROWAVE CONNECTOR (O/D #2.1)

# 4. RECOMMENDED TEMPERATURE PROFILE (REFERENCE)



- Note: (1) The temperature indicates the printed circuit board surface temperature of the connector lead portion.  
 (2) The reflow soldering method should be performed at a peak temperature of 240 °C or less at the surface of printed circuit board.  
 (3) The temperature profile will change depending on conditions which include such factors as the size of the board, the solder used, and the solder thickness.

Recommended timing and temperature of hand Soldering (Reference)	Soldering iron temperature: 350 °C Soldering time: 3 - 5 seconds
Recommended screen thickness	0.15 mm

**RoHS Compliant**

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PCB CONNECTORS  
Cable ASSEMBLIES

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DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm

SCALE 1 : 1

DATE

SIZE A4

PJECTION

X. ±  
.X ±  
.XX ±  
.XXX ±  
ANG ±

照片框

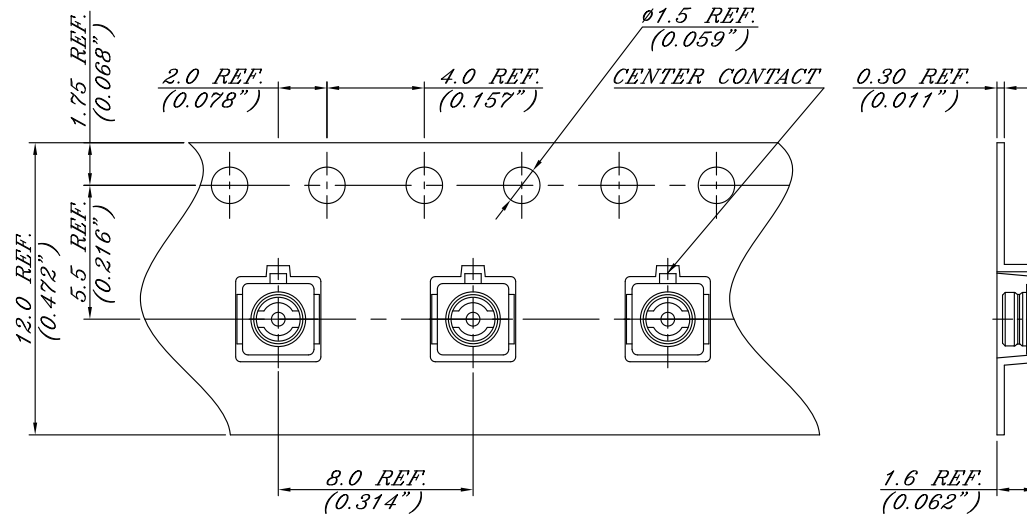
**ORDER INFORMATION**

MHF21-JVR-50-LF

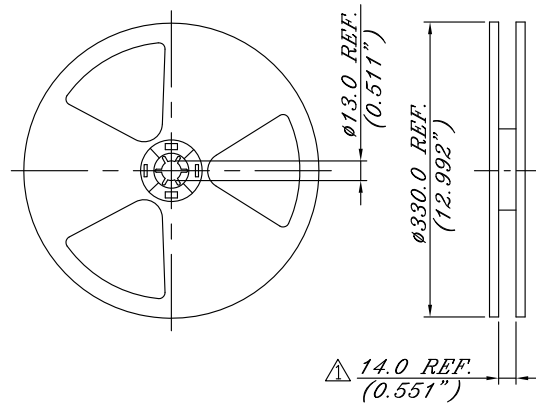
SERIES LEADFREE  
50 OHM  
REEL  
180°SMT  
JACK

DESCRIPTION: COAX. MICROWAVE CONNECTOR (O/D Ø2.1)

# 5. TAPE AND REEL SPECIFICATIONS



DIMENSIONS OF TAPING



DIMENSIONS OF REEL (2500 PIECES/REEL)

**MORETHANALL**  
PCB CONNECTORS  
Cable ASSEMBLIES

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RoHS Compliant

DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm SCALE 1 : 1

DATE

SIZE A4

TOLERANCES ARE

X. ±

.X ±

.XX ±

.XXX ±

ANG ±

PJECTION

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