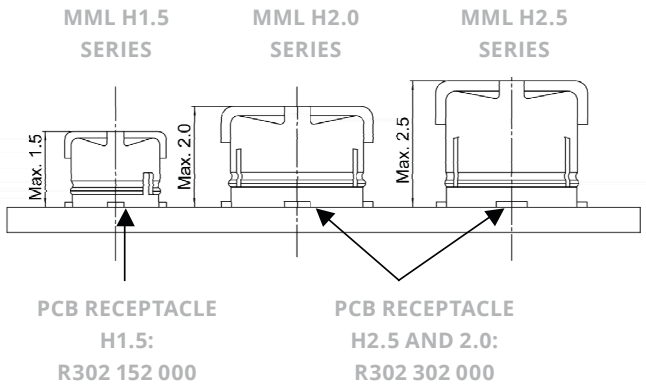
INTRODUCTION

We developed a new MML series to address the market demand for smaller microminiature coaxial connectors for applications such as cell relay, WiFi access points, GPS and other mobile terminals. There are three types of plugs with mated heights of H2.5, H2.0 and H1.5, as well as two types of vertical PCB receptacles with electrical performance up to 6 GHz.

FEATURES

- Two vertical PCB receptacles
  - MML H2.5 and MML H2.0
  - MML H1.5
- Space saving
  - Three mated heights 2.5 mm, 2.0 mm, 1.5 mm
  - PCB patterns 3.08 mm x 3 mm for H2.5 and H2.0, 2 mm x 2 mm for H1.5
- DC - 6GHz, typical VSWR 1.35 max
- Cable assemblies are offered with three high performance cables: 1.33 mm for MML H2.5, 1.13 mm for MML H2.0, 0.81 mm for MML H1.5



APPLICATIONS

- Handhelds/GPS/WLAN
- GSM/CDMA/WCDMA/TD-SCDMA cards

CHARACTERISTICS

TEST / CHARACTERISTICS	VALUES / REMARKS
ELECTRICAL CHARACTERISTICS	
Nominal Impedance	50Ω
Frequency Range	DC - 6 GHz
Typical VSWR	1.35 max
Contact Resistance **• Center Contact** **• Outer Contact**	 25 mΩ 15 mΩ
Insulation Resistance	500 MΩ min
Voltage Rating **• H2.5 and H2** **• H1.5**	 200 Vrms 150 Vrms
Withstanding Voltage **• H2.5 and H2** **• H1.5**	 300 Vrms 200 Vrms
Mechanical Durability	30 cycles
Center Contact Axial Force	0.15 N
RoHS	Compliant
Temperature Range	-40 °C / +90 °C
Humidity	96 hours at Temperature of 40 °C and Humidity of 95%
Corrosion (Salt Spray)	5% Salt Water Solution, 48 hours

MATERIALS AND PLATING

	Materials	Platings
Connector Bodies	Phosphor Bronze	Gold
Female Center Contact		
Male Center Contact	Brass	