



P-SMP

The High Power Board-to-Board Interconnection

- » 5G capable board-to-board design
- » Various board-to-board and board-to-filter PCB distances
- » Excellent RF transmission up to 200 W
- » Permits high axial and radial misalignment
- » High reliability through robust design
- » Cost effective production technologies in place



P-SMP

The High Power Board-to-Board Interconnection that also empowers 5G networks

The P-SMP interconnection from IMS CS provides an excellent continuous power handling up to 200 W. The Board-to-Board interconnection is built as a three components concept:

Two PCB or panel types, assembled with an adapter, the so-called bullet. With a strong focus on robustness this connector solution provides a high reliability, by featuring a similar size like standard SMA connectors. Individual PCB board distances can be offered. Excellent RF capabilities make P-SMP connectors ideal for applications up to 10 GHz such as 5G network and power amplifier in base stations.

Product Characteristics

- » Frequency range: DC – 10 GHz
- » Return loss: ≥ 32 dB @ DC to 3 GHz
 ≥ 26 dB @ 3 GHz to 6 GHz
- » Power handling: up to 200 W @ 2.2 GHz
- » Temperature ratings: -65°C to 165°C
- » RoHS (2002/95/EC) conform
- » Body material: Brass
- » Outer/Centre Contact material: Copper Beryllium
- » Contact Finish: 3-5 Ag + CuZnSn alloy
- » Impedance: 50 Ohm
- » For further details: www.imscs.com/eCatalog



APPLICATIONS

High power board to board and board to cable interconnections where RF signals have to be transmitted continuously. Our P-SMP connectors are widely used in base stations, radios, filters, wireless, handheld radios, amplifiers and more applications.

PRODUCT PORTFOLIO (EXTRACT)

5022.PSMP – Adapter P-SMP(f) - P-SMP(f)		7601.PSMP – Adapter P-SMP(f) - P-SMP(f)	
			
7366.PSMP - PCB mount plug		7518.PSMP - PCB mount plug	
			
7534.PSMP - Bulkhead plug		7295.PSMP - PCB mount plug	
			



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