DC to 18 GHz



High Density Board Connector

Withwave's SMP Edge Mount Connectors cover wide frequency ranges from RF to Microwave with excellent frequency performance and high density. The proprietary internal insulator enables simple structure with higher performance compared to the conventional SMP connectors.

The best applications could be 5G complex mobile communications modules, systems and various other wireless systems.



Features

- Frequency Range : DC to 18 GHz
- Push-On and Snap-On for Quick Installation
- Edge Mount configurations

Application

- Telecommunication
- High Speed Applications
- Surface Mount Connection
- Broadband

Specification

Scope	Items	Specification
Electrical	Freq. Range (Max)	18.0 GHz
	Impedance	50 Ohm
	VSWR	1.30 :1 (12 GHz) 1.50 :1 (18 GHz)
Material	Connector Type	SMP
	Body	Brass (Gold Plated)
	Contact	Brass (Gold Plated)
	Insulator	PTFE
Mechanical & Environmental	Temperature	-40 ~+125 °C

*RoHS Compliant



High Density Board Connector Versatile RF & MW Test Solutions

Ordering Information

Interface	Part No.
Smooth Bore	EL05MS001
Full Detent	EL05MS002

Test Results

Substrate : RO4003 8 mil

Part No. : EL05MS001

SMP Connector



SMP Connector

<u>File View Channel Sweep Calibration Trace Scale Marker System Window H</u>elp Stop 18.00000000 GHz 🗧 Stimulus Center Start Stop Span 11.130069 GHz 15.605081 GHz 19.009 dB 14.578 dB 50.00 dB S11 003.s2p ready 10.00dB/ 0.00dB LogM 2: 40.00 821 10.00dB/ 0.00dB LogM 30.00 18.000 0 GHa 2699 di 20.00 10.00 0.00 10.00 -20.00 -30.00 40.00 -50.00 Ch1: Start 10.0000 MHz Stop 18.0000 GHz CH 1: S11 C 2-Port LCL Status

Freq: 10 MHz to 18 GHz

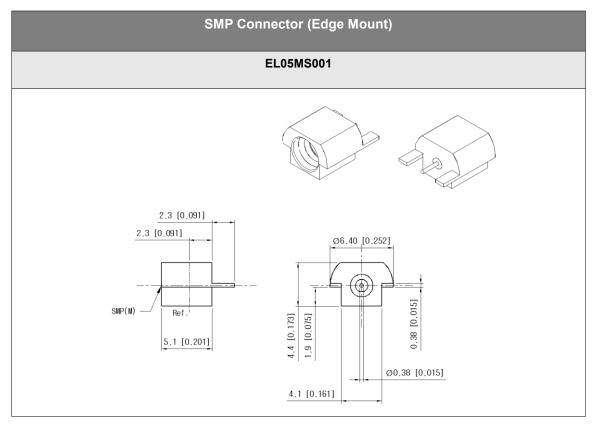
SMP Edge Mount Connectors



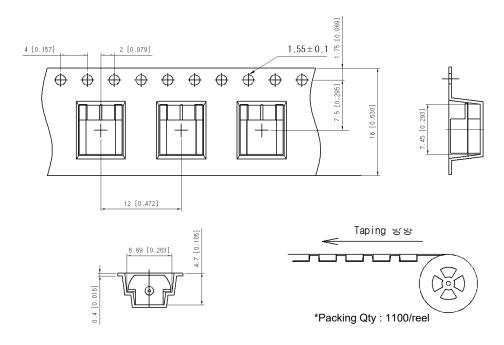
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Packaging Information



www.with-wave.com 240401_Ver1.0



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Revision History

Date	Changes
2024-04-01	Released SMP Edge Mount Connectors