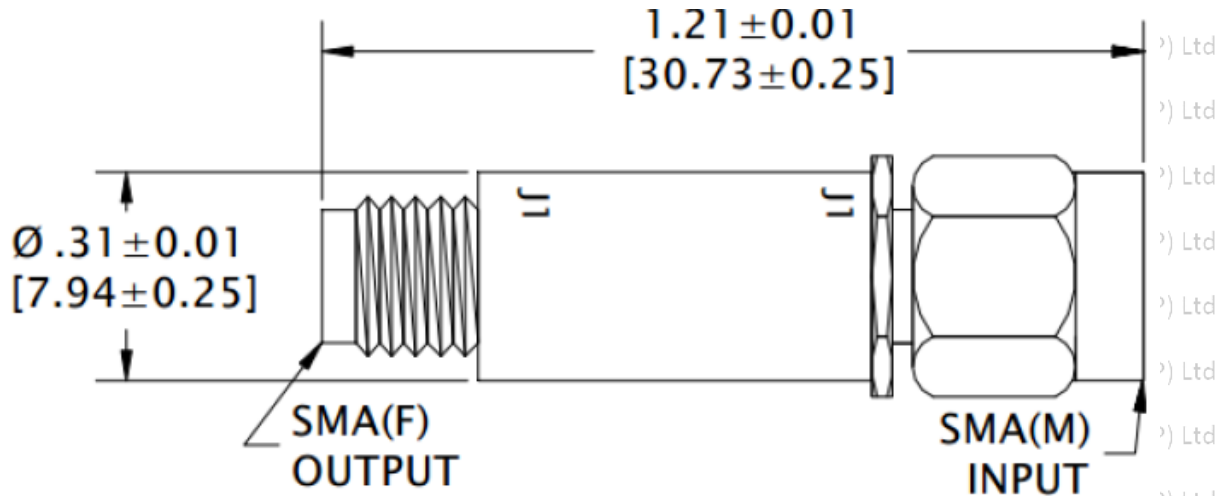


Synergy Telecom P Ltd.

Part No.-SY04DTSMAMF018

Zero- Bias Microwave Detector



Electrical Specifications

Characteristic Impedance	50 Ohm
Max. Operating Frequency	0.01- 18 GHz
VSWR	1.5:1
Sensitivity	>400mv/mw
Flatness	+0.40 dB Max
Video Cap	470 pF
Video Impedance	1000 Ohm
Power Handling	(200mw Avg)
Peak Power	2W (10ns, 1ms)
Diode	Schottky-zero bias
Flatness	±1 dB
Voltage Sensitivity	400mV /mW (typical)
Polarity	Positive

Mechanical Characteristics

Mating Cycle	≥500 Cycles
Weight	< 5 gm
Input Connector	SMA(M)
Output Connector	SMA(F)

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Environmental Specification

Temperature Range	-40°C to 70°C
Rohs Compliant	
Random Vibration(Operational)	0.2g²/Hz over 20-350 Hz, -3 dB/Octave up to 2 KHz
Shock	Half-Sine , 15g , 11 ms; 3 Shocks per axis for 6 Axes
Altitude	17 Km
Humidity (Operational)	95± 4%

Material data

Connector Parts	Material	Plating
BODY	Stainless Steel	Gold
Center Contact	Beryllium Copper	Gold
Insulation	PEI or PTFE	