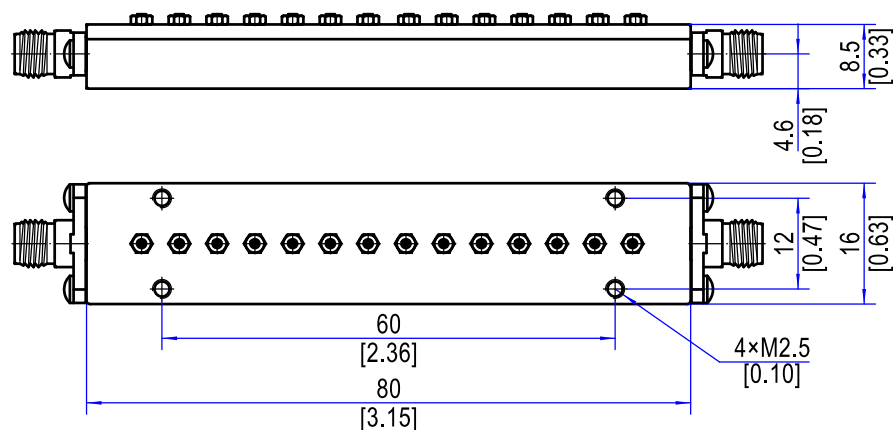


## YSCVBP5-28R5-1R6-K

27.7-29.3 GHz Cavity Band Pass Filter, 5 W, 2.92 mm Connector

Electrical Specifications		
1	Pass Band Frequency	27.7-29.3 GHz
2	Center Frequency	28.5 GHz
3	Insertion Loss	≤1.5 dB
4	Return Loss	≥20 dB
5	Pass Band Ripple	≤0.5 dB
6	Group Delay Variation	≤0.25 ns @ peak-peak within any 66 MHz interval , in the range of 27.8-29.2 GHz ≤0.5 ns @ peak-peak within any 220 MHz interval , in the range of 27.8-29.2 GHz ≤0.8 ns @ peak-peak within any 1400 MHz interval , in the range of 27.8-29.2 GHz
7	Stop band Rejection	≥80 dB @ DC-26.9 GHz ≥50 dB @ 26.9-27.2 GHz ≥50 dB @ 29.8-30.1 GHz ≥80 dB @ 30.1-47 GHz
8	Power Handling	≤5 W
9	Impedance	50 Ω
Environmental Characteristics		
1	Operating Temperature	-30°C to +70°C
Mechanical Characteristics		
1	Connectors	2.92 mm Female
2	Surface Finishing	Black Painted Finish
3	Dimensions <sup>1</sup>	80*16*8.5 mm / [3.15*0.63*0.33 in]
4	weight	80 g

**Outline Drawing** (Units: mm/[inch], Tolerance: ±0.3 mm)



Note 1: Excluding Connectors