

1. Features

- Cavity Band Pass Filter
- Pass bandwidth 1200 MHz at Fc 5500 MHz
- RoHS Compliant

RoHS/RoHS2
(2015/863/EU) Compliant

2. Preliminary Electrical Specifications

		Minimum	Typical	Maximum
Center Frequency (Fc)	MHz	-	5500	-
0.5dB Bandwidth	MHz	-	1200	-
Insertion Loss at Fc	dB	-	-	0.4
Return Loss @ BW 0.5dB	dB	15	-	-
Rejection @ Dc ~ 3990MHz	dBc	38	-	-
Rejection @ 3990 ~ 4539MHz	dBc	12	-	-
Rejection @ 6160 ~ 6399MHz	dBc	12	-	-
Rejection @ 6399 ~ 12000MHz	dBc	38	-	-
Input/Output Impedance	Ohm	-	50	-
RF Power (CW)	dBm	-	-	20
RF Power (Instantaneous Peak)	dBm	30 dBm with 1% duty cycle, 8 us / 800 us pulse width		
In/Out connectors	-	SMA female		

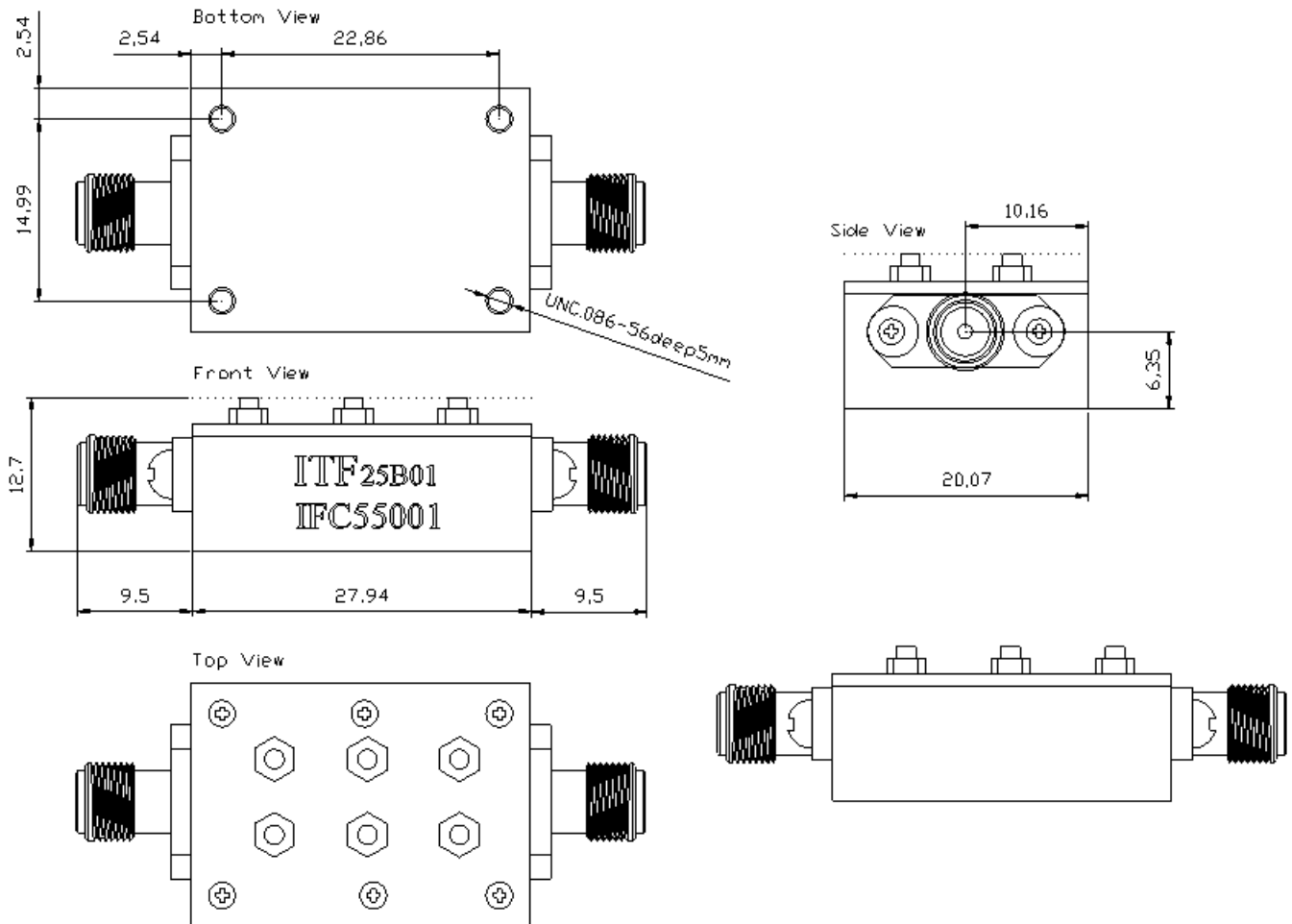
* All specifications are based on simulation data and ITF reserves the right to amend the specification once sample filters are produced.

* Ref. Meas. data.

3. Environmental

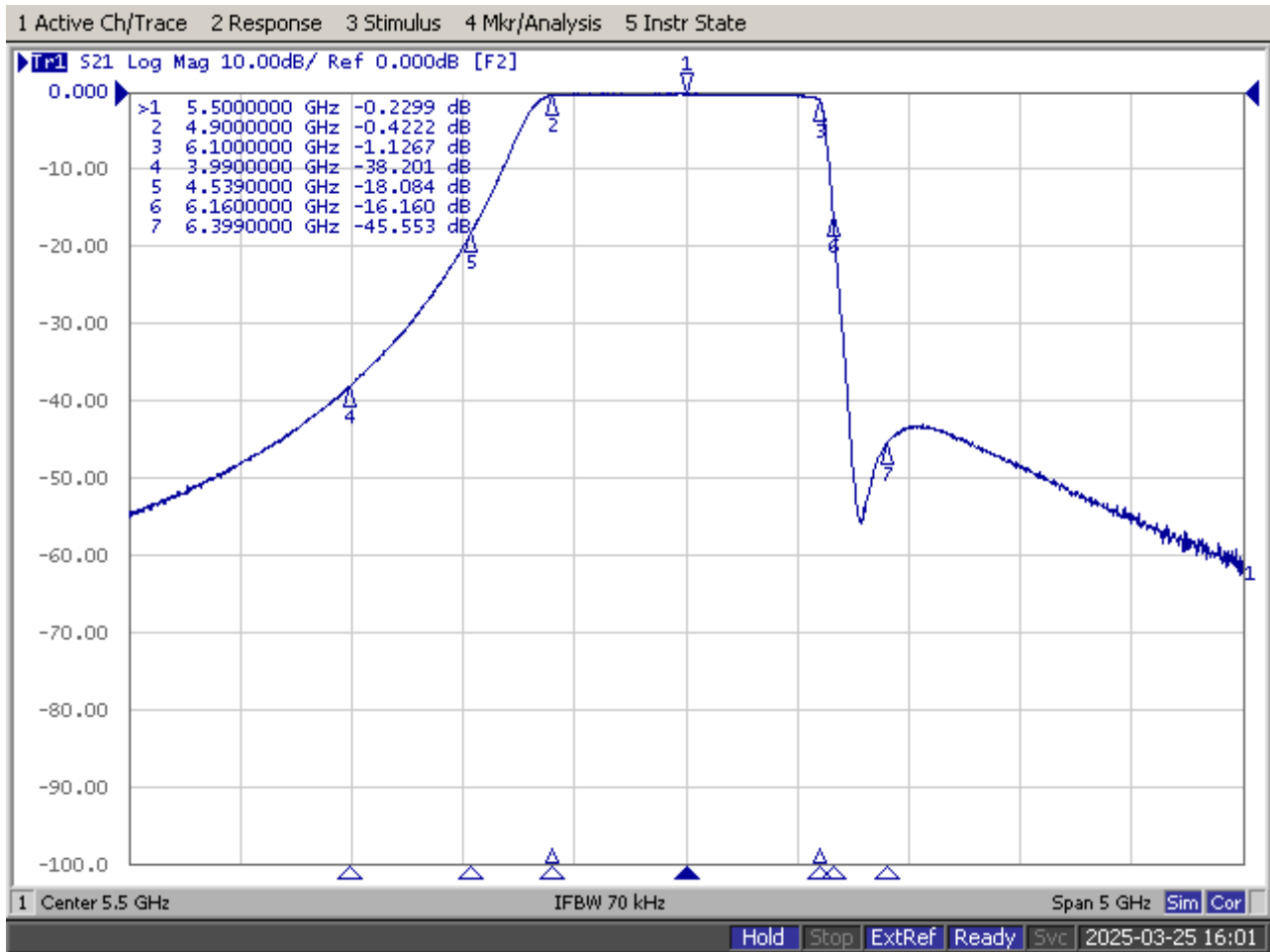
Body	Silver plated aluminum alloy or silver-plated brass
RF connectors	Passivated stainless steel body with a central gold-plated pin contact
Temperature range	-40 °C to + 65 °C
Storage	-55 °C to + 85°C
Vibration	Exposure levels: 0.14 g ² /Hz from 10 to 83,4 Hz, increasing to 0.8 g ² /Hz at 200 Hz, then 0.8 g ² /Hz from 200 to 1000 Hz, then -6 dB/octave roll-off from 1000 Hz to 2000 Hz. Exposure durations: two (2) hours in each of three (3) orthogonal axes for a total time of six (6) hours
Shock	MIL-STD-810G, METHOD 516, Procedure I, V and VI
Humidity	MIL-STD-202, 103B
Thermal Shock	MIL-STD-202, 107A

4. Dimension (Exclude SMA connector)



5. Frequency Response (Measurement Data)

- Insertion Loss & Attenuation



- Return Loss

