



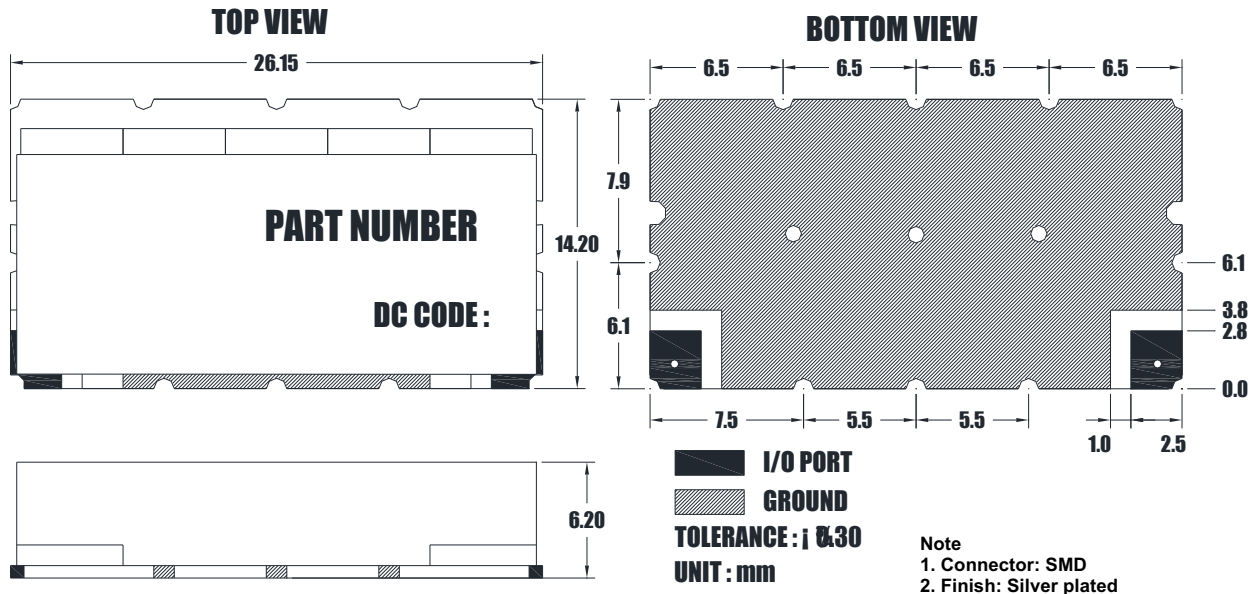
# **PRODUCT SPECIFICATION FOR INFORMATION**

PRELIMINARY SPECIFICATION

**Product Name: Ceramic Band Pass Filter**

**Part No: HD34275**

■ Mechanical Drawing

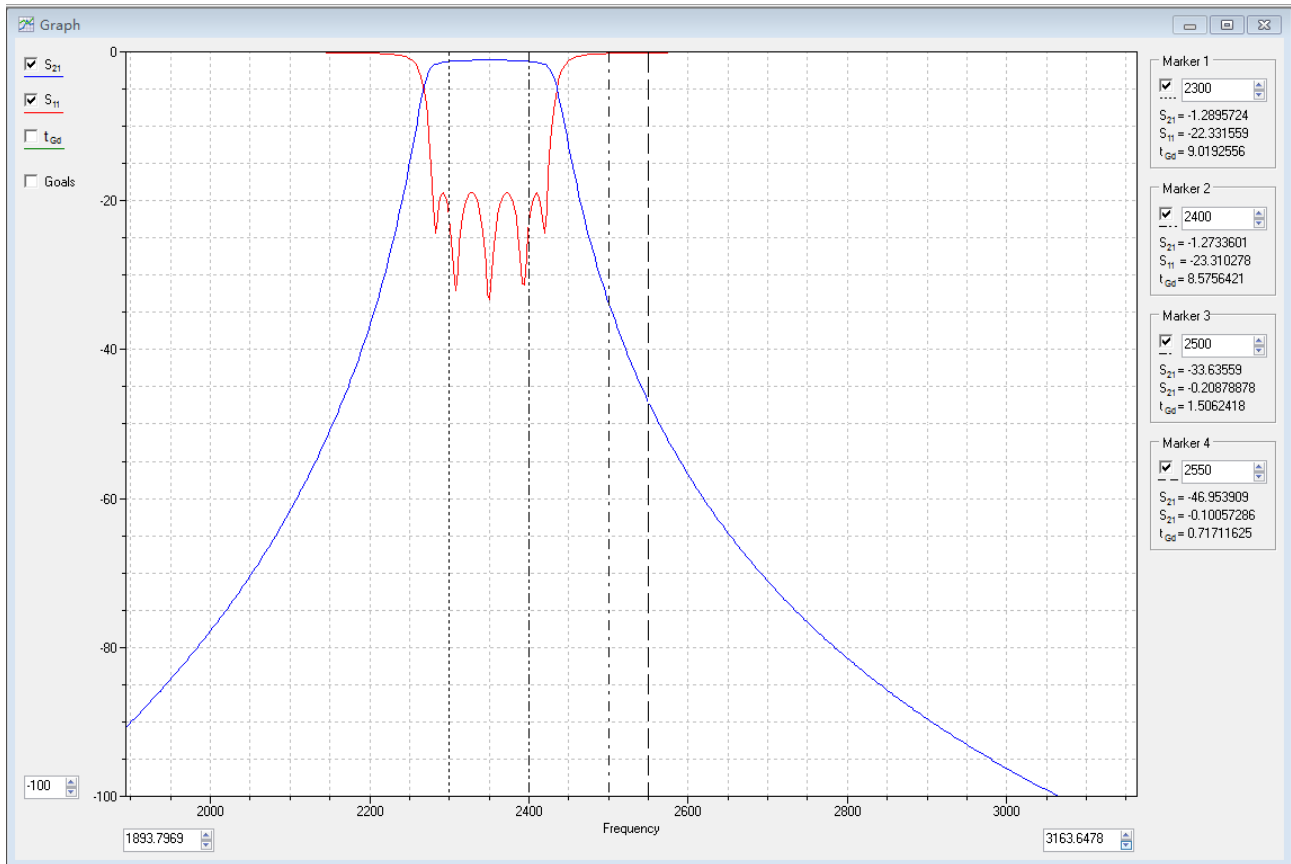


■ Electrical Specification

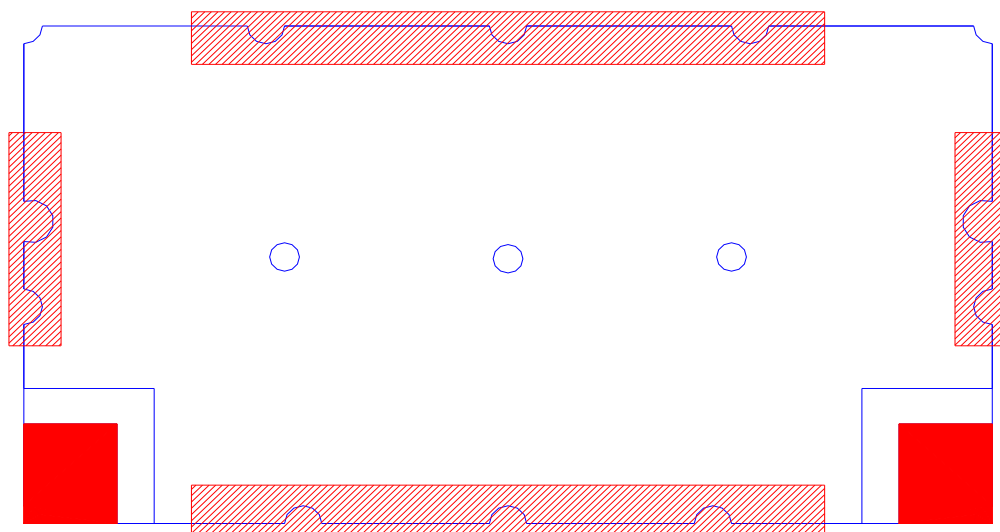
Parameter	Specification	Remark
1. Center Frequency	2350MHz	
2. Bandwidth [BW]	$F_c \pm 50\text{MHz}$ [2300~2400MHz]	
3. Insertion Loss in BW	1.7dB Max.	
4. Ripple in BW	1.0dB Max.	
5. Return Loss in BW	15dB Min.	
6. In/Out Impedance	50 $\Omega$	
7. Attenuation [Absolute Value]	40dB Min.@ 2200MHz	
	55dB Min.@ 2150MHz	
	68dB Min.@ 1800MHz	
	35dB Min.@ 2500MHz	
	50dB Min.@ 2550MHz	
	60dB Min.@ 4400MHz	
	40dB Min.@5200-8000MHz	
8. Power Handling	10W Max.	
9. Operation Temperature Range	-40°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

■ **Simulation Curve**



■ **Recommended PC Board Pattern**



 **GROUND SOLDERING POINT**  
 **I/O PORT SOLDERING POINT**

Remarks: Recommend using silver-containing solder paste