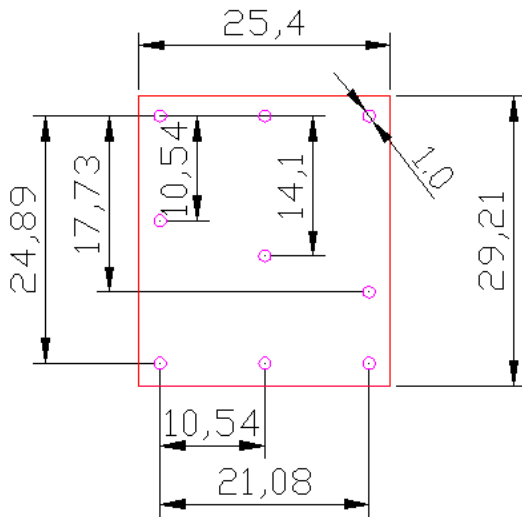
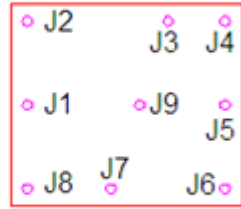
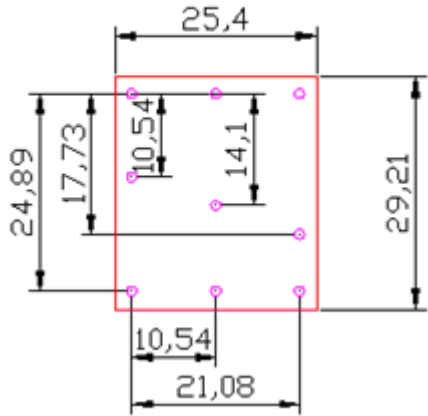
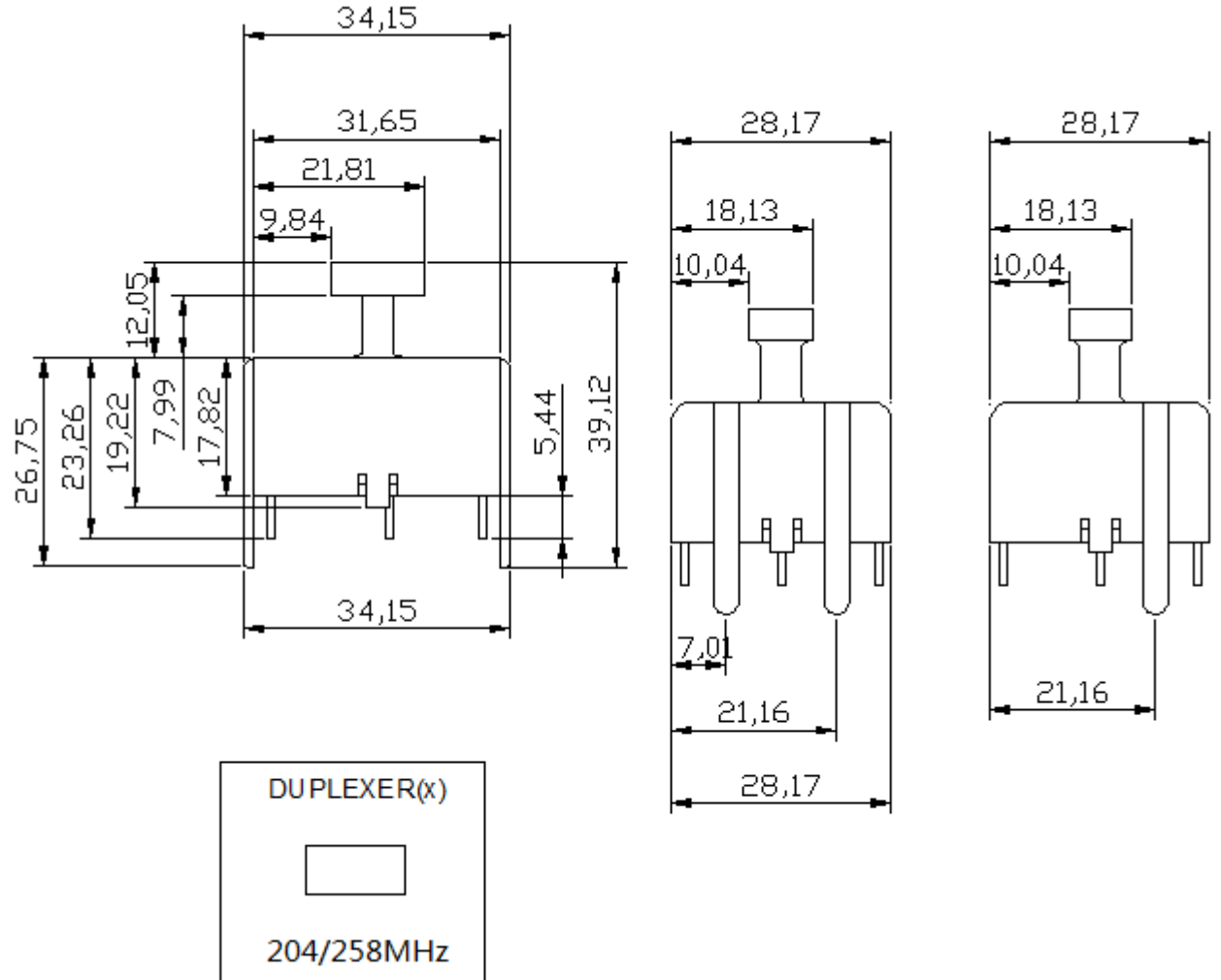


Outline drawing



Suggest pcb design



Tolerance +/-5% Unit mm



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S013246 5-204/258-1250MHZ DIPLEX FILTER

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PIN CONFIGURATION

Diplexer	
Pin Number	Function
J1	RF Common Port Connection
J4	RF Low Port Connection relative to pin J1
J6	RF High Port Connection relative to pin J1
J2, J3, J5, J7, J8, J9,	Ground

Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
<u>Reverse Insertion Loss</u>	5MHz	dB	---	0.05	0.2
	204MHz	dB	---	0.75	1.0
<u>Forward Insertion Loss</u>	258MHz	dB	---	0.75	1.0
	870MHz	dB	---	0.35	0.5
	1000MHz	dB	---	0.45	0.55
	1218MHz	dB	---	0.50	0.60
	1225MHz	dB	---	0.55	0.65
Flatness	5-204MHz	dB	---	---	≤0.4
	270-1225MHz				≤0.5
Isolation	5-203.9MHz	dB	50	55	---
	204-257.9MHz	dB	41	---	---
	258-1225MHz	dB	46	48	---
Return Loss Input	5-204MHz	dB	24	30	---
	258-1225MHz	dB	24	27	---
Return Loss Output	5-204MHz	dB	22	28	---
	258-1225MHz	dB	22	25	---
RF Power Rating (max)		250mw			
DC Current Rating (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			



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PARAMETER

