

Bandpass Filter

WNZK-B10R125-S-D

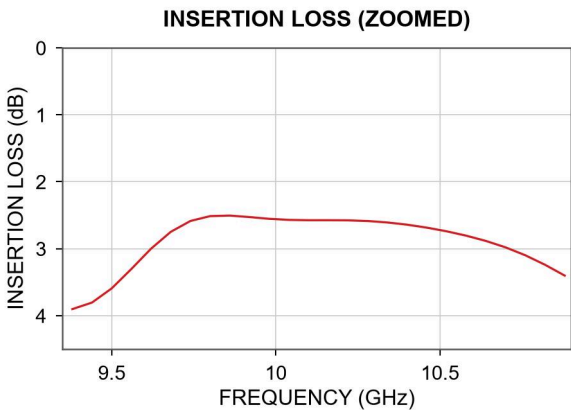
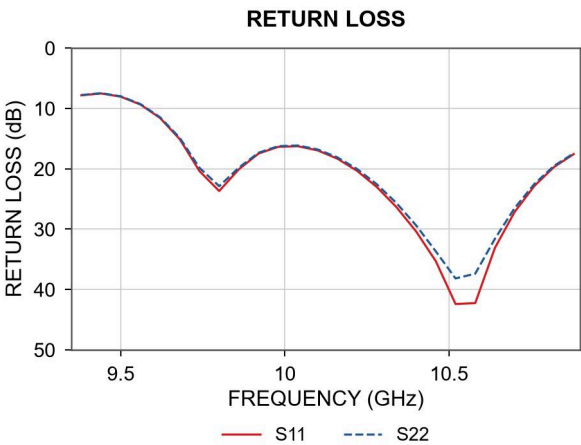
Passband 9.35–10.9 GHz | 50 Ω

ELECTRICAL CHARACTERISTICS

Passband width: 1.55 GHz

Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	10.125	GHz
	Insertion loss, min.–max.			2.51–3.90	
	Amplitude variation, p-p			1.40	
	Input return loss, min.	F1–F2	9.35–10.9	7.52	dB
	Output return loss, min.			7.48	
	Input VSWR, max.			2.45:1	
	Output VSWR, max.			2.47:1	
Lower stopband	Rejection, min.	DC–F3	DC–6	—	dB
		F3–F4	6–7.5	46.65	
Upper stopband	Rejection, min.	F5–F6	13–15.5	65.28	dB
		F6–F7	15.5–18	—	
		F7–F8	18–23	—	

FREQUENCY RESPONSE



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate thickness	200	μm
Metal thickness	2	μm
Reference impedance	50	Ω

Frequency coverage: 5–17 GHz; “—” indicates incomplete coverage of the specified band.

Fc = (F1 + F2)/2. Amplitude variation: peak-to-peak insertion loss over F1–F2.