

Bandpass Filter

WNZK-B09R300-N-D

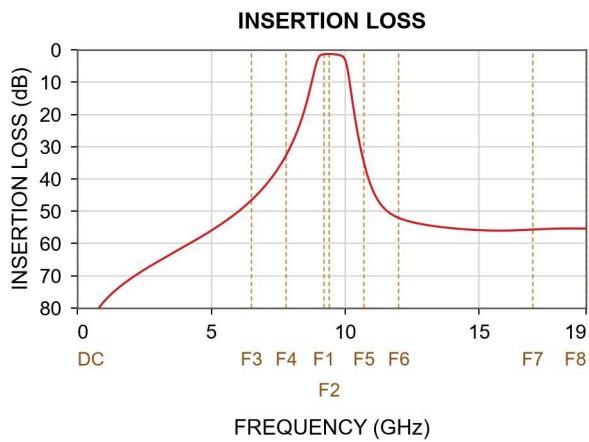
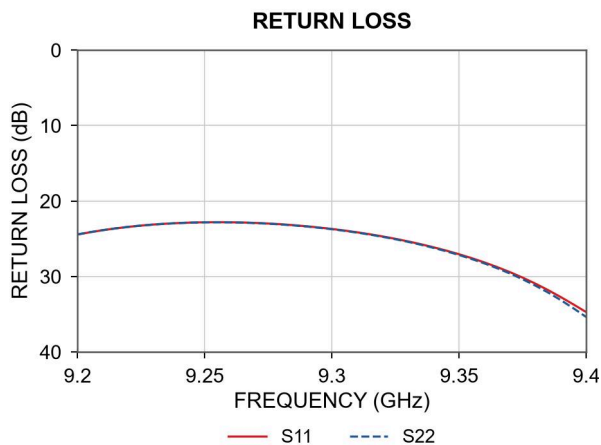
Passband 9.2–9.4 GHz | 50 Ω

ELECTRICAL CHARACTERISTICS

Passband width: 0.2 GHz

Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	9.3	GHz
	Insertion loss, min.–max.			1.25–1.34	
	Amplitude variation, p-p			0.09	
	Input return loss, min.	F1–F2	9.2–9.4	22.82	dB
	Output return loss, min.			22.83	
	Input VSWR, max.			1.16:1	
	Output VSWR, max.			1.16:1	
Lower stopband	Rejection, min.	DC–F3	DC–6.5	—	dB
		F3–F4	6.5–7.8	32.49	
Upper stopband	Rejection, min.	F5–F6	10.7–12	35.04	dB
		F6–F7	12–17	52.08	
		F7–F8	17–19	55.34	

FREQUENCY RESPONSE



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate size	5.325 × 14	mm
Substrate thickness	200	μm
Relative permittivity	9.4	—
Metal	Au	—
Metal thickness	2	μm
Reference impedance	50	Ω

Includes feedline loss between model ports.
Frequency coverage: 0.05–19 GHz; “—” indicates incomplete coverage of the specified band.
Fc = (F1 + F2)/2. Amplitude variation: peak-to-peak insertion loss over F1–F2.