

Bandpass Filter

WNZK-B02R400-N-A

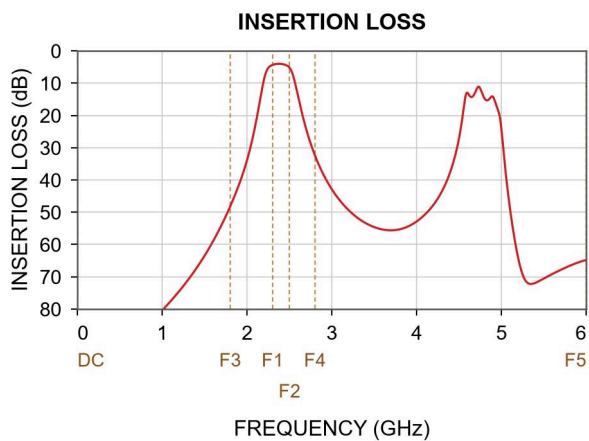
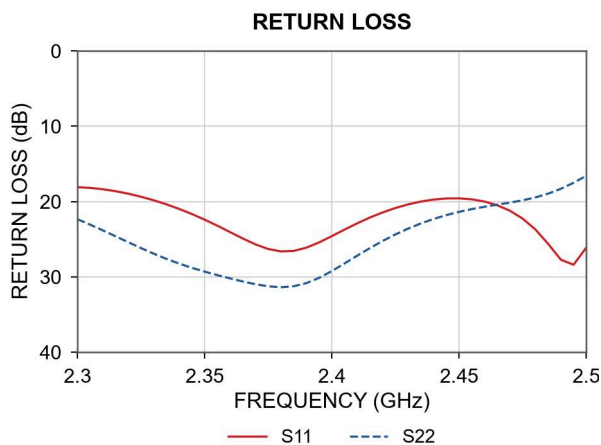
Passband 2.3–2.5 GHz | 50 Ω

ELECTRICAL CHARACTERISTICS

Passband width: 0.2 GHz

Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	2.4	GHz
	Insertion loss, min.–max.			3.99–5.17	
	Amplitude variation, p-p			1.19	
	Input return loss, min.	F1–F2	2.3–2.5	18.10	dB
	Output return loss, min.			16.59	
	Input VSWR, max.			1.28:1	
	Output VSWR, max.			1.35:1	
Lower stopband	Rejection, min.	DC–F3	DC–1.8	—	dB
Upper stopband	Rejection, min.	F4–F5	2.8–6	11.08	dB

FREQUENCY RESPONSE



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate size	5.5 × 66.535	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: 0.05–6 GHz; “—” indicates incomplete coverage of the specified band.
Fc = (F1 + F2)/2. Amplitude variation: peak-to-peak insertion loss over F1–F2.