

Bandpass Filter

WNZK-B16R000-N-D

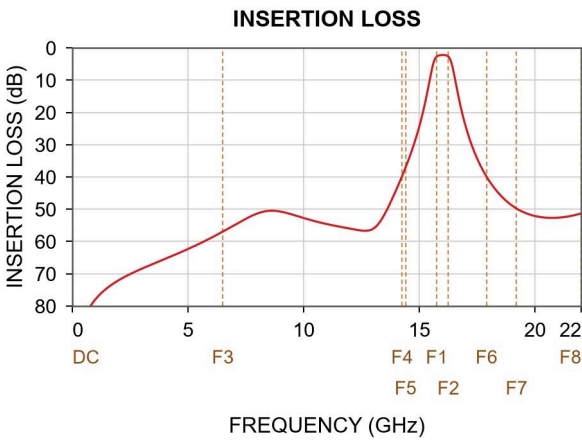
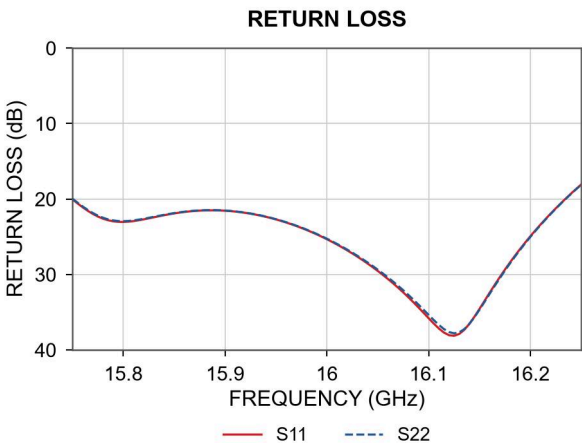
Passband 15.75–16.25 GHz | 50 Ω

ELECTRICAL CHARACTERISTICS

Passband width: 0.5 GHz

Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	16	GHz
	Insertion loss, min.–max.			2.18–2.68	
	Amplitude variation, p-p			0.50	
	Input return loss, min.	F1–F2	15.75–16.25	18.07	dB
	Output return loss, min.			18.11	
	Input VSWR, max.			1.29:1	
	Output VSWR, max.			1.28:1	
Lower stopband	Rejection, min.	DC–F3	DC–6.5	—	dB
		F3–F4	6.5–14.25	39.79	
		F4–F5	14.25–14.4	37.12	
Upper stopband	Rejection, min.	F6–F7	17.9–19.2	39.86	dB
		F7–F8	19.2–22	49.78	

FREQUENCY RESPONSE



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate size	3.745 × 14.06	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: 0.05–22 GHz; “—” indicates incomplete coverage of the specified band.
Fc = (F1 + F2)/2. Amplitude variation: peak-to-peak insertion loss over F1–F2.