

Bandpass Filter

WNZK-B08R075-N-D

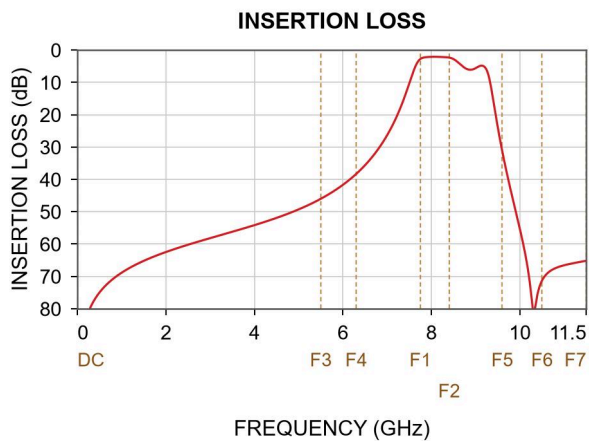
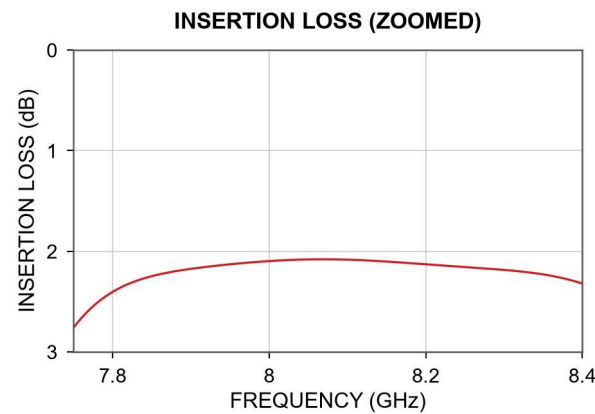
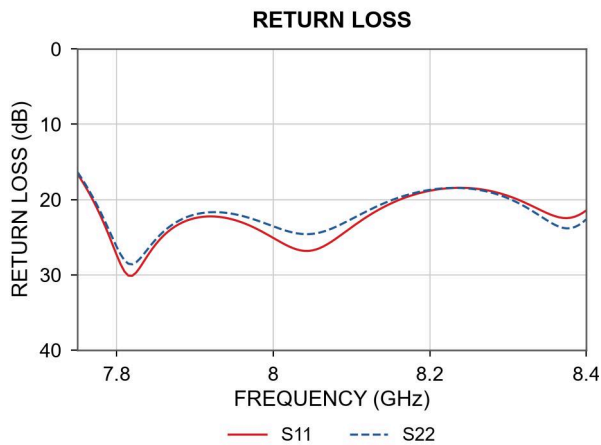
Passband 7.75–8.4 GHz | 50 Ω

ELECTRICAL CHARACTERISTICS

Passband width: 0.65 GHz

Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	8.075	GHz
	Insertion loss, min.–max.			2.08–2.76	
	Amplitude variation, p-p			0.68	
	Input return loss, min.	F1–F2	7.75–8.4	16.61	dB
	Output return loss, min.			16.35	
	Input VSWR, max.			1.35:1	
	Output VSWR, max.			1.36:1	
Lower stopband	Rejection, min.	DC–F3	DC–5.5	—	dB
		F3–F4	5.5–6.3	38.31	
Upper stopband	Rejection, min.	F5–F6	9.6–10.5	31.23	dB
		F6–F7	10.5–11.5	65.16	

FREQUENCY RESPONSE



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate size	5.775 × 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: 0.05–11.5 GHz; “—” indicates incomplete coverage of the specified band.
Fc = (F1 + F2)/2. Amplitude variation: peak-to-peak insertion loss over F1–F2.