

Bandpass Filter

WNZK-B02R900-S-B

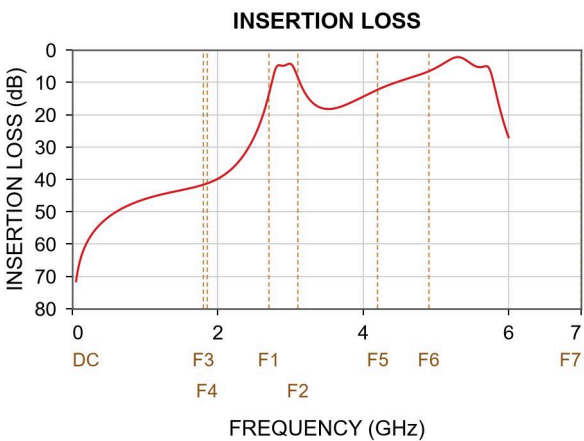
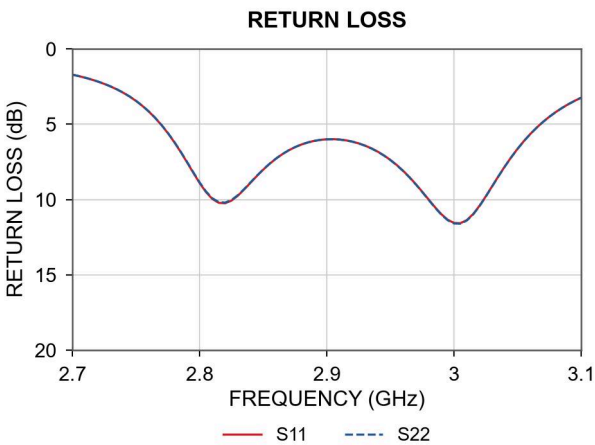
Passband 2.7–3.1 GHz | 50 Ω

ELECTRICAL CHARACTERISTICS

Passband width: 0.4 GHz

Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	2.9	GHz
	Insertion loss, min.–max.			4.22–13.88	
	Amplitude variation, p-p			9.66	
	Input return loss, min.	F1–F2	2.7–3.1	1.71	dB
	Output return loss, min.			1.71	
	Input VSWR, max.			10.18:1	
	Output VSWR, max.			10.20:1	
Lower stopband	Rejection, min.	DC–F3	DC–1.8	—	dB
		F4	1.85	41.28	
Upper stopband	Rejection, min.	F5	4.2	12.23	dB
		F6–F7	4.9–7	—	

FREQUENCY RESPONSE



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate size	23.6 × 11.506	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.
 $F_c = (F_1 + F_2)/2$. Amplitude variation: peak-to-peak insertion loss over F1–F2.