Bandpass Filter

WNZK-B11R400-W-D

Passband 9.6–13.2 GHz | 50 Ω | Wideband

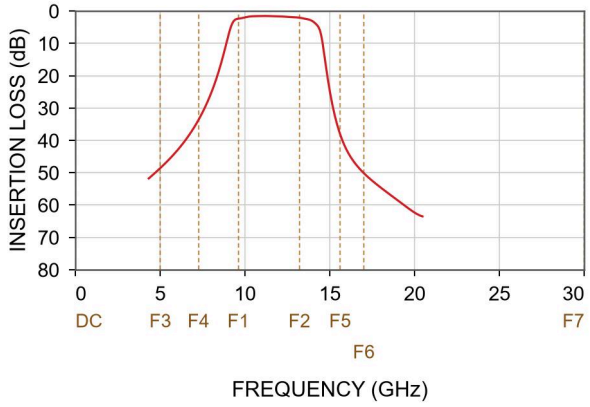
ELECTRICAL CHARACTERISTICS

Passband width: 3.6 GHz

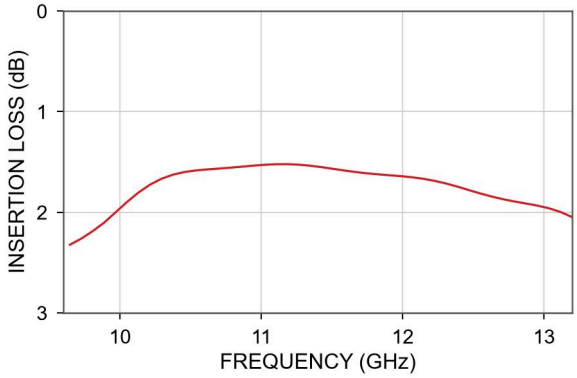
Parameter		F#	Frequency (GHz)	Value	Units
Passband	Center frequency	Fc	—	11.4	GHz
	Insertion loss, min.–max.	F1–F2	9.6–13.2	1.52–2.32	dB
	Amplitude variation, p-p			0.80	
	Input return loss, min.			11.79	
	Output return loss, min.			11.88	
	Input VSWR, max.			1.69:1	—
	Output VSWR, max.			1.68:1	
Lower stopband	Rejection, min.	DC–F3	DC–5	—	dB
		F3–F4	5–7.25	33.94	
Upper stopband	Rejection, min.	F5–F6	15.6–17	38.31	dB
		F6–F7	17–30	—	

FREQUENCY RESPONSE

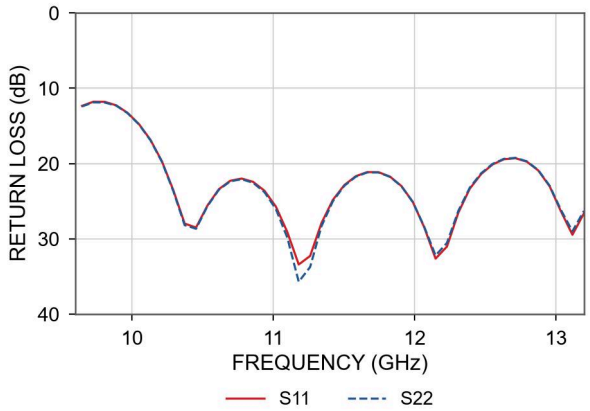
INSERTION LOSS



INSERTION LOSS (ZOOMED)



RETURN LOSS



MATERIALS & DIMENSIONS

Parameter	Value	Units
Substrate thickness	200	μm
Metal thickness	2	μm
Reference impedance	50	Ω

Frequency coverage: 4.32–20.46 GHz; "—" indicates incomplete coverage of the specified band.

Fc = (F1 + F2)/2. Amplitude variation: peak-to-peak insertion loss over F1–F2.