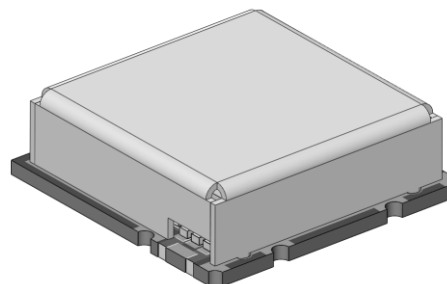


General Description

MCS-C4-60-30-SMT is a radio frequency bandpass filter, designed for a wide range of RF / Microwave applications. It contains low insertion loss, small size, high out of band suppression and group delay has low ripple in passband.

Key Features

- Low insertion loss
- Wide band of suppression
- Low cost
- Small size
- Low group delay ripple



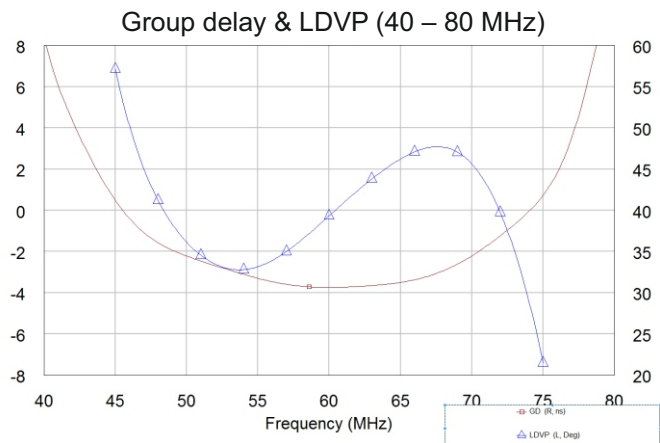
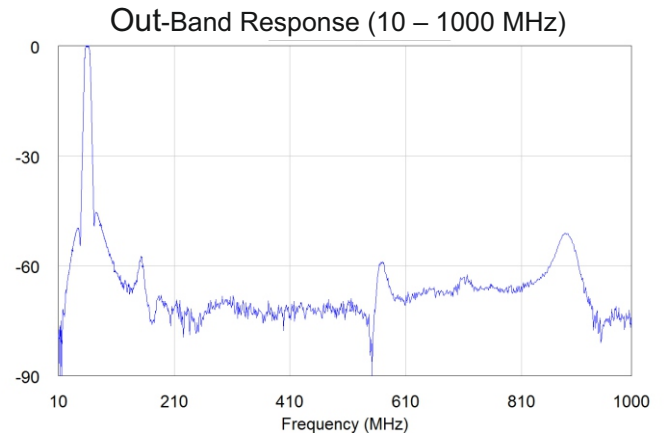
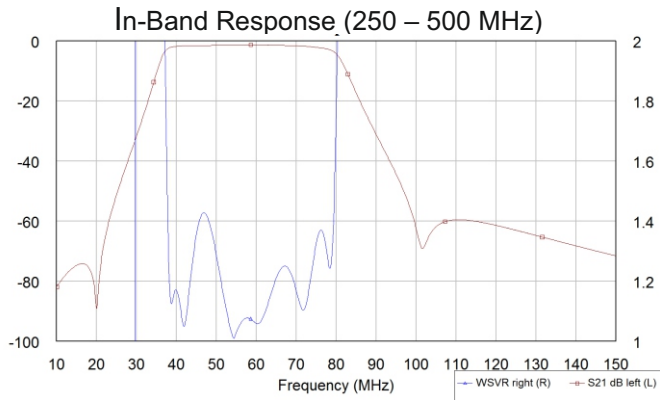
Specification (at 25°C)

Parameter	Sym.	Min.	Typ.	Max.	Unit
Center frequency*	f_c		60		MHZ
Bandwidth@-1 dB*	Δf	30	36		MHZ
Bandwidth@-40dB*	Δf_r		60		MHZ
Insertion loss	S_{21}		2.5		dB
VSWR in passband				1.5:1	
Group delay in passband				45	ns
Group delay ripple in passband				15	ns
LDVP in passband				± 8	deg
Power input	P			2	W
Wave impedance	Z		50		Ω
*- parameter can be changed according to customer requirements					

Temperature range

Parameter	Min.	Max.	Unit
Operation Temperature	-40	+85	°C
Storage Temperature	-65	+105	°C

S – Parameters



Physical dimensions

