



SP465 SAW Filter Technical Specification

SP 465

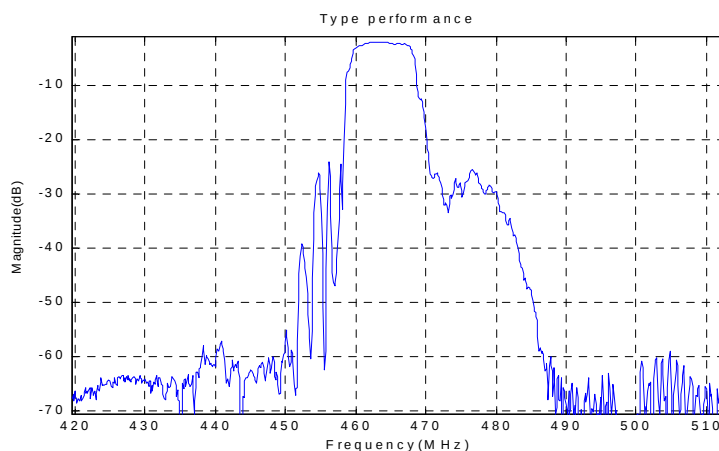
Absolute Maximum Ratings

Rating	Value	Units
Maximum Incident Power in Passband	+10	dBm
Max. DC voltage between any 2 terminals	30	VDC
Operating Temperature Range	-30 to +85	°C

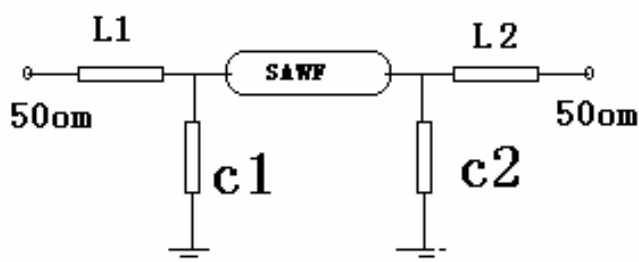
Electrical Characteristics

Characteristic	Sym	Unit	Spec
Nominal Center Frequency	F_0	MHz	465
Stop Band Attenuation (from peak level) 1) at DC~($F_0-30.7$)MHz 2) at $F_0+30.7$ MHz~ F_0+200 MHz		dB	50min 50min
Insertion Loss(at $F_0\pm 3.0$ MHz)	IL	dB	4.5max
1 dB Bandwidth	f1dB	MHz	6.0min
Passband variation(at $F_0\pm 3.0$ MHz)	-	dB	2max
Input/Output Impedance (Nominal)	-		50 Ω

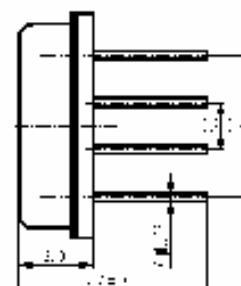
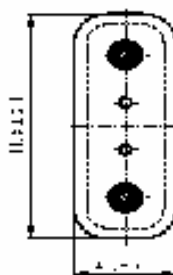
Frequency Response



Matching Configuration



Package Outline



$$L1=L2=18\text{nH} \quad C1=C2=1\text{pF}$$

Notes - Component values may change depending on board layout.