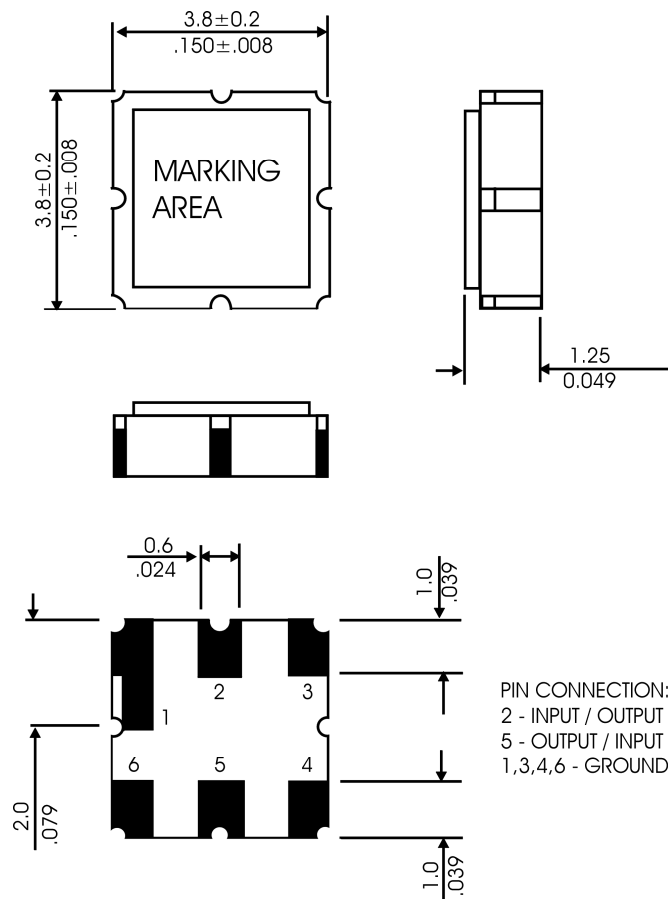


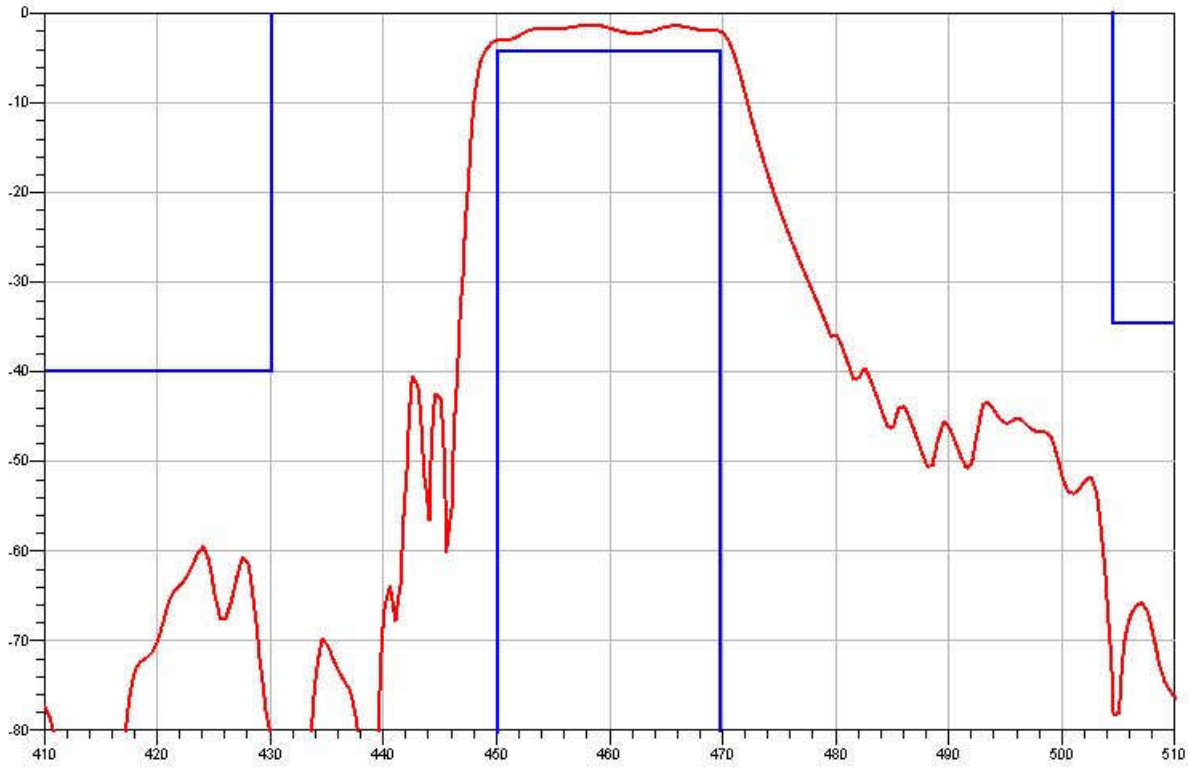
## RF SAW BANDPASS FILTER RSF-460.000-20000-3838-TR-NS3

Items		Specification	Unit
Nominal Frequency (fo)		460.000	MHz
Pass Bandwidth		20000	kHz
Insertion Loss in BW		3.2	dB Max ⇄
Amplitude Ripple in BW		2.4	dB Max ⇄
Return Loss in BW		7	dB min ⇄
Absolute Attenuation	0.3 MHz ~ 300 MHz	40	dB min
	300 MHz ~ 380 MHz	40	dB min
	380 MHz ~ 430 MHz	40	dB min
	504.825 MHz ~ 524.825 MHz	35	dB min
	559.65 MHz ~ 579.65 MHz	35	dB min
	669.3 MHz ~ 689.3 MHz	30	dB min
	689.3 MHz ~ 1000 MHz	26	dB min
DC Voltage, maximum		5 VDC	⇄
Input Power, maximum		10 dBm	⇄
Terminating Impedance		50Ω	
Operation Temperature		-30°C to +60°C	⇄
Storage Temperature		-40°C to +85°C	⇄

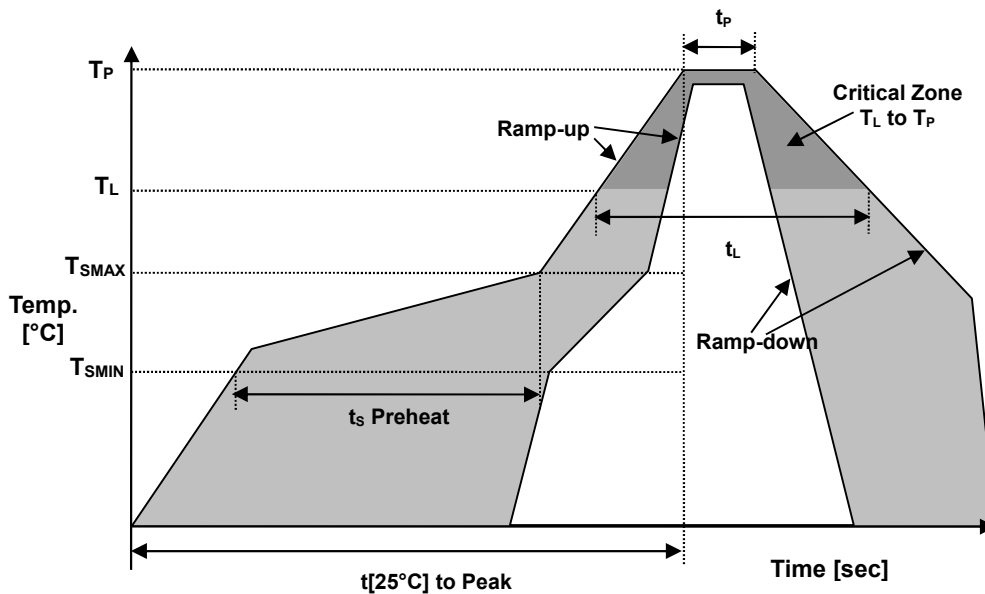
### Dimension



**Typical Frequency Response**



● **REFLOW PROFILE**



Reflow profile		
Temperature Min Preheat	$T_{SMIN}$	150°C
Temperature Max Preheat	$T_{SMAX}$	200°C
Time ( $T_{SMIN}$ to $T_{SMAX}$ )	$t_s$	60-180 sec.
Temperature	$T_L$	217°C
Peak Temperature	$T_P$	260°C
Ramp-up rate	$R_{UP}$	3°C/sec max.
Ramp-down rate	$R_{DOWN}$	6°C/sec max.
Time within 5°C of Peak Temperature	$t_P$	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	$t_L$	60-150 sec.

### Environmental

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
TERMINATION FINISH	Au
REACH – SVHC	Compliant
RoHS 2	6/6
PACKAGING	TAPE & REEL



April 2016