

SPECIFICATION

COMMERCIALLY AVAILABLE

SAW BAND PASS
PART NUMBER: SF0140023
RoHS

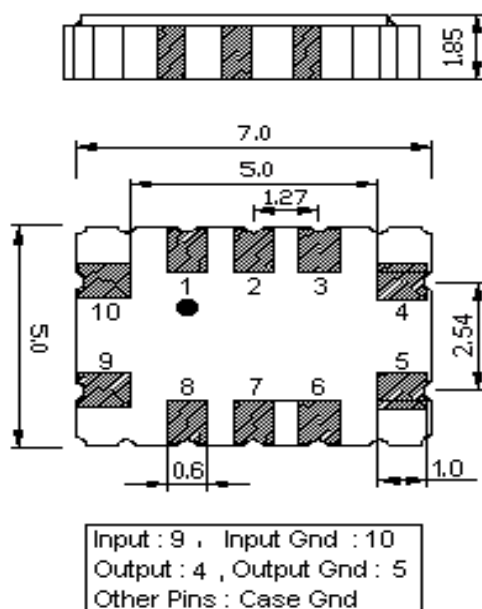
ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
12/9/13^(kn)	12/16/2013 TFG		12/16/2013 GL

FILTRONETICS Inc

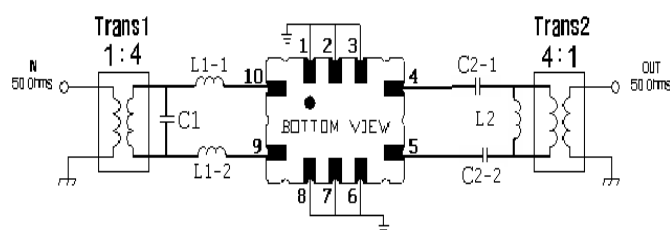
1. Electrical Specifications:

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	140.00	-
Insertion Loss	dB	-	10.40	12.50
Passband Ripple($F_c \pm 10.25\text{MHz}$)	dB	-	0.60	1.00
Group Delay Variation($F_c \pm 10.25\text{MHz}$)	nsec	-	40	80
Relative Attenuation				
$F_c + 10.25\text{MHz} \sim -10.25\text{MHz}$	dB	-	0.5	1.2
$F_c - 100\text{ MHz} \sim F_c - 17.3\text{MHz}$	dB	40	50	-
$F_c - 17.3\text{ MHz} \sim F_c - 15.3\text{MHz}$	dB	30	40	-
$F_c \pm 14\text{MHz}$	dB	15	19	-
$F_c + 16.3\text{ MHz} \sim F_c + 18.3\text{MHz}$	dB	30	35	-
$F_c + 18.3\text{ MHz} \sim F_c + 80\text{MHz}$	dB	38	45	-
$F_c + 80\text{MHz} \sim F_c + 110\text{ MHz}$	dB	50	55	-
$F_c + 110\text{MHz} \sim F_c + 210\text{ MHz}$	dB	40	53	-
Absolute Delay	μsec	-	0.59	-
Substrate Material	-	YZ-LiNbO ₃		
Temperature Coefficient	ppm/°C	-86		

2. Dimension:



Marking:
SF0140023
Date Code



L1-1, L1-2=47nH, L2=68nH
C1=16pF, C2-1, C2-2=150pF
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

3. Typical Performance:

