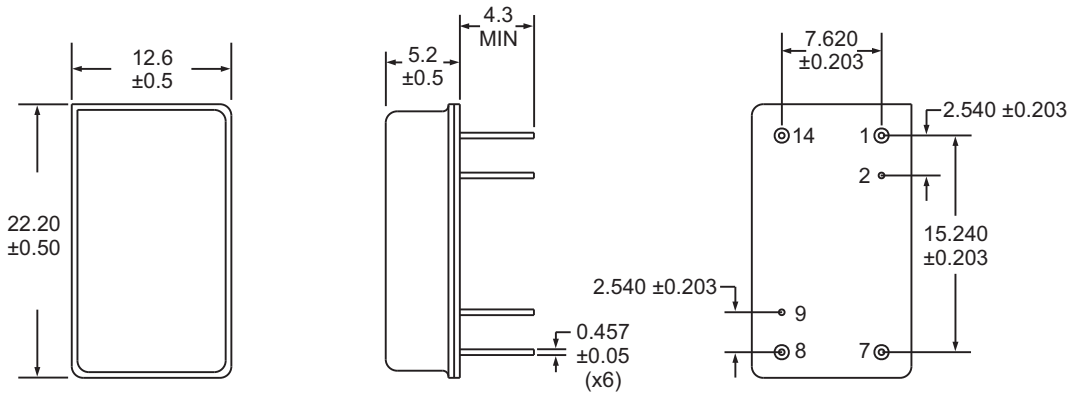
STANDARD SPECIFICATIONS

Parameter	Condition	Minimum	Typical	Maximum
Center Frequency (MHz):	-	69.85	70.00	70.15
Insertion Loss (dB):	-	-	24.70	26.00
Passband Ripple (dB):	-	-	0.30	1.00
-1dB Bandwidth (MHz):	-	9.00	9.90	-
-3dB Bandwidth (MHz):	-	10.00	10.20	-
-40dB Bandwidth (MHz):	-	-	11.70	12.00
Phase Linearity (degrees):	-	-	2.30	4.00
Group Delay Variation (nSec):	-	-	40.00	60.00
Absolute Delay (µSec):	-	-	2.50	-
Ultimate Rejection (dB):	-	50.00	60.00	-
Operating Temperature Range (°C):	-	-	25	-
Substrate Material:	-	-	YZ $LiNbO_3$	-
Termination Source Impedance (Ohms):	-	-	50	-
Termination Load Impedance (Ohms):	-	-	50	-

Comments: Unless otherwise specified, all of the above specifications are under the following conditions:
Operating Temperature = 25°C

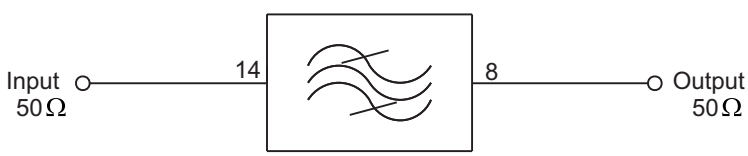
MECHANICAL DIMENSIONS



Pin	Function
1	Ground
2	Ground
7	Ground
8	Output (+)
9	Ground
14	Input (+)

ALL DIMENSIONS
IN MILLIMETERS

MATCHING NETWORK DIAGRAM



MARKING GUIDE

(Line #1) **AMPLITRONIX**
(Line #2) **ABFF04FE**
(Line #3) **XX Y ZZ**

- ZZ — Week of the Year
- Y — Last Digit of the Year
- XX — Amplitronix Manufacturing Code

Amplitronix

Part Number: ABFF04FE

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