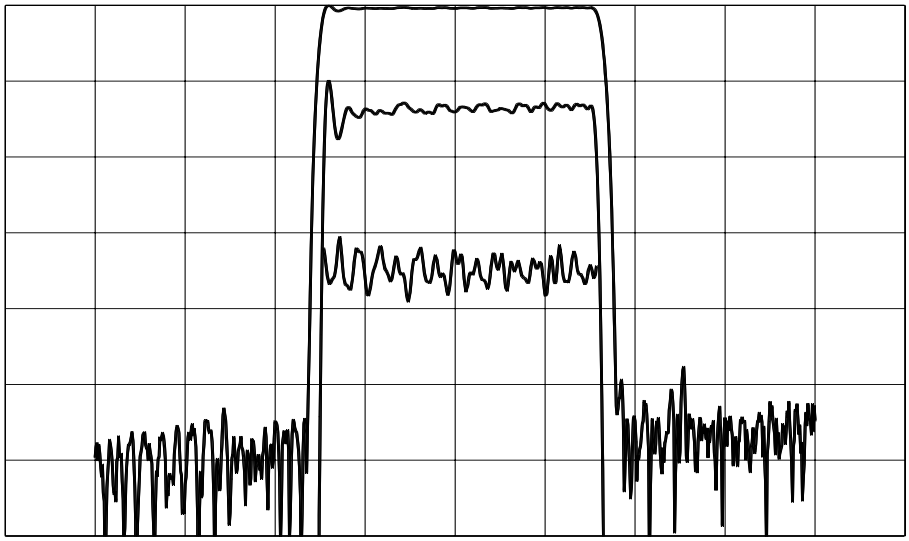
35.6 MHz Filter
for VSB system L- IF Applications
Part Number SF0036BA00642T

Micro Networks Corp., 324 Clark Street, Worcester, MA 01606, USA tel: 508-852-5400, fax:508-852-8456, www.micronetworks.com

TYPICAL PERFORMANCE



Horizontal: 2.5 MHz/div

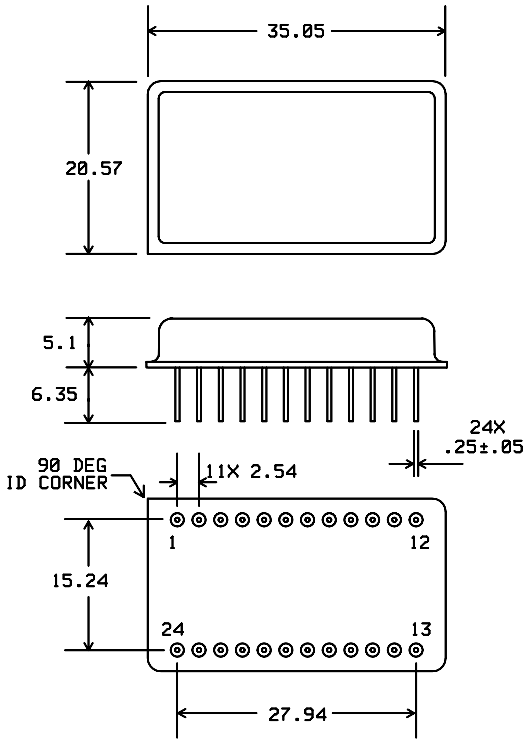
Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Group Delay 50 ns/div

SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
F_visual		38.9		MHz
F_color		32.9		MHz
F_audio		32.4		MHz
Center Frequency (Nominal)		36		MHz
Insertion Loss	28		32	dB
2 dB Lower Band Edge			31.95	MHz
2 dB Upper Band Edge	39.35			MHz
Passband Ripple(32.2 - 39.35)		0.3	0.8	dB
Phase Deviation (32.2 - 39.35)		2.5	8	deg p-p
GD Ripple (32.2 - 39.35)		30	50	ns p-p
Rejection (20 - 31.10)	45	55		dB
Rejection (31.1 - 31.3)	52	60		dB
Rejection (40.35 - 65.0)	45	55		dB
2T K Factor		1		%
C/L Delay - 12.5 T		5		ns
Delay		4.5		us
Ambient Temperature		40		° C
Temperature Coefficient		-80		ppm / ° C
Source/Load Impedance		50		Ω
Matching Network	None			
Material	128 Lithium Niobate			

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PACKAGE OUTLINE

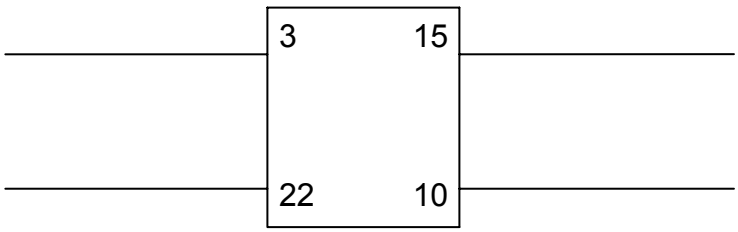


Units: mm

Pin Configuration:

Input:	3
Input Return:	22
Output:	15
Output Return:	10
Ground:	All other pins.

MATCHING CIRCUIT



No matching required

ISO 9001
Registered