

# High Selectivity Digitally Controlled Tunable Bandpass

## ◆ Features:

- Digitally Controlled
- High Performance Cavity Design
- Multiple Tuning Ranges Available
- 7 and 9 Section Options for Maximum Selectivity
- Multiple Drive Voltages Available
- Multiple Control Interface Options Available



## ◆ Specifications:

K&L Model Bandpass	Frequency Range (MHz)	Insertion Loss at $f_0$ (typical)	3 dB Bandwidth (nominal)	VSWR at $f_0$ (typical)	30 dB to 3 dB Shape Factor (typical)	50 dB to 3 dB Shape Factor (typical)
D7BT-500/1000-4-N/N-GSI	500 - 1000	1.5	4%	1.7:1	1.6:1	2.2:1
D7BT-1000/2000-2-N/N-GSI	1000 - 2000	3.0	2%	1.7:1	1.6:1	2.2:1
D7CTB-2000/4000-1-N/N-GSI	2000 - 4000	3.0	1%	1.7:1	1.6:1	2.2:1
D7CTB-4000/6000-1-N/N-GSI	4000 - 6000	4.0	1%	1.7:1	1.6:1	2.2:1
D9BT-1000/2000-2-N/N-GSI	1000 - 2000	2.5	2%	2.0:1	1.4:1	1.7:1
D9CTB-2000/4000-2-N/N-GSI	2000 - 4000	2.5	2%	2.0:1	1.4:1	1.7:1
D9CTB-4000/6000-2-N/N-GSI	4000 - 6000	3.0	2%	2.0:1	1.4:1	1.7:1
<b>Filter Type:</b>	<b>Tunable Bandpass</b>					
<b>Impedance:</b>	<b>50 ohms</b>					
<b>RF Connectors:</b>	<b>Type N standard, SMA optional</b>					
<b>Digital Interface:</b>	<b> GPIB standard, RS-232, RS-422, USB optional</b>					
<b>Power:</b>	<b>110 VAC standard, 12 VDC, 24 VDC, 220 VAC optional</b>					

## ◆ Applications:

- Automated Test and Measurement Facilities
- Troubleshooting Co-location Environments
- Wireless Communications