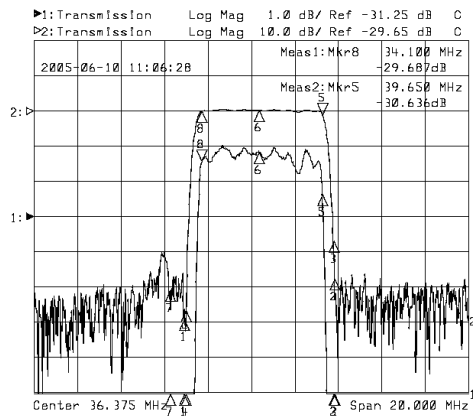


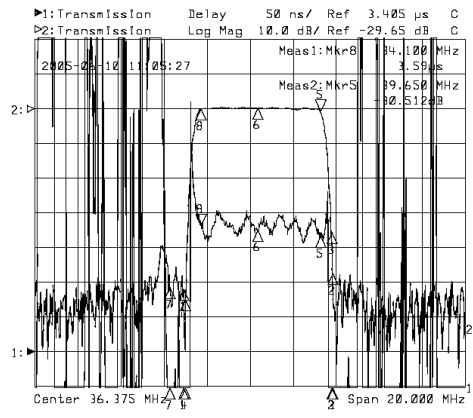
# 38.9MHz CATV Filter (PAL B/G)

## Part Number B0523

### Typical Performance



Horizontal: 2MHz/Div  
Vertical: 10dB/Div



Horizontal: 2MHz/Div  
Vertical: 50nsec/Div

### Specifications

| Parameter                        | Unit | Minimum | Typical   | Maximum |
|----------------------------------|------|---------|-----------|---------|
| Center Frequency                 | MHz  | 36.750  | 36.775    | 36.800  |
| Insertion Loss at F <sub>0</sub> | dB   |         | 29.50     | 31.00   |
| @33.40MHz                        | dB   | 42.00   | 50.00     |         |
| @39.65MHz                        | dB   |         | 1.50      | 2.00    |
| @40.15MHz                        | dB   |         | 38.00     | 40.00   |
| @40.20MHz                        | dB   |         | 40.00     | 48.00   |
| Passband Variation               | dB   |         | 0.60      | 0.80    |
| Group Delay Variation            | nsec |         | 50        | 60      |
| Absolute Delay                   | usec |         | 3.58      | 3.60    |
| Ultimate Rejection               | dB   | 40      | 45        |         |
| Substrate Material               | -    |         | YZ-LiNbO3 |         |
| Ambient Temperature              | °C   | -40     | 25        | 80      |

### Package DIP24-03

