

FEATURES

- Ultra small size
- 6.3 mm profile
- Broad bandwidth
- High selectivity
- 6 elements

6 ELEMENT CERAMIC FILTER

Ultra small size high selectivity type ceramic filter for communication use.

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PART NUMBER	CENTER FREQUENCY (KHz)	INSERTION LOSS (dB) MAX.	PASS BAND RIPPLE (dB) MAX.	6 dB BANDWIDTH (KHz) MIN.	50 dB BANDWIDTH (dB) MAX.	STOP BAND ATT. ± 100 KHz (dB) MIN.	INPUT / OUTPUT IMPEDANCE (Ω)
LTM450BW	450 ± 2.0	4	2	± 15	± 30	45	1500
LTM450CW	450 ± 2.0	4	2	± 12.5	± 24	45	1500
LTM450DW	450 ± 1.5	4	2	± 10	± 20	45	1500
LTM450EW	450 ± 1.5	6	2	± 7.5	± 15	45	1500
LTM450FW	450 ± 1.5	6	2	± 6	± 12.5	45	2000
LTM450GW	450 ± 1.5	6	2	± 4.5	± 10	45	2000
LTM450HW	450 ± 1.0	6	2	± 3	± 9	55	2000
LTM450IW	450 ± 1.0	6	2	± 2	± 7.5	55	2000
LTM450HTW	450 ± 1.0	6	2	± 3	± 9	60	2000
LTM450ITW	450 ± 1.0	6	2	± 2	± 7.5	60	2000

PACKAGE DIMENSIONS (mm)

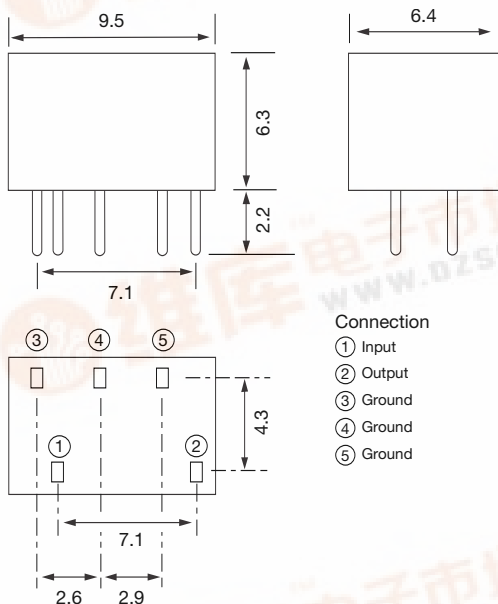


Figure 1) LTM450W – Front, Side and Bottom views

Note: To avoid potential problems, connect the output to an IF amplifier through a DC cut capacitor.

Avoid applying a direct current to output end of the ceramic filters (between ∞ and $\neq 0$).

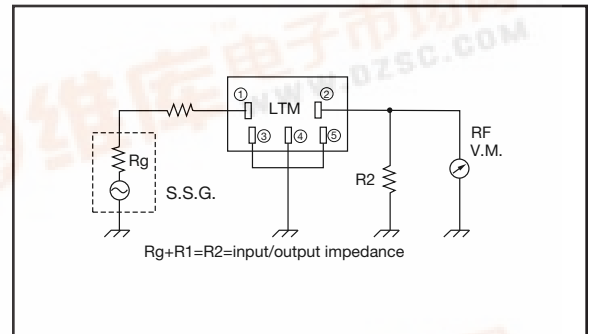


Figure 2) LTM450W – Measuring Circuit

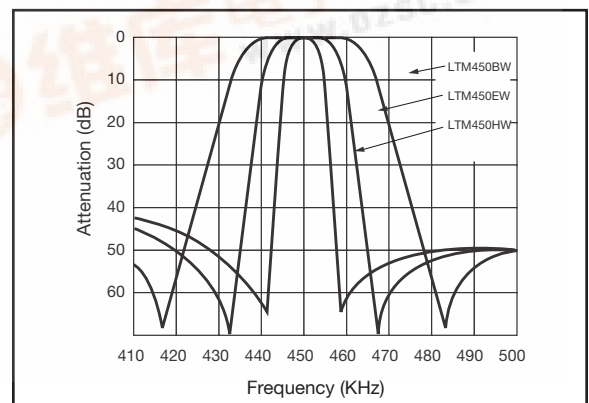


Figure 3) LTM450W – Characteristics