

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

FEATURES

- Ultra small size
- 6.3 mm profile
- Broad bandwidth
- RoHS Compliant (Note 7 exemption)
- 6 elements



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)
LTM455BW	455 ± 2.0	4	2	± 15	± 30	45	1500
LTM455CW	455 ± 2.0	4	2	± 12.5	± 24	45	1500
LTM455DW	455 ± 1.5	4	2	± 10	± 20	45	1500
LTM455EW	455 ± 1.5	6	2	± 7.5	± 15	45	1500
LTM455FW	455 ± 1.5	6	2	± 6	± 12.5	45	2000
LTM455GW	455 ± 1.5	6	2	± 4.5	± 10	45	2000
LTM455HW	455 ± 1.0	6	2	± 3	± 9	45	2000
LTM455IW	455 ± 1.0	6	2	± 2	± 7.5	45	2000
LTM455HTW	455 ± 1.0	6	2	± 3	± 9	60	2000
LTM455ITW	455 ± 1.0	6	2	± 2	± 7.5	60	2000

PACKAGE DIMENSIONS (mm)

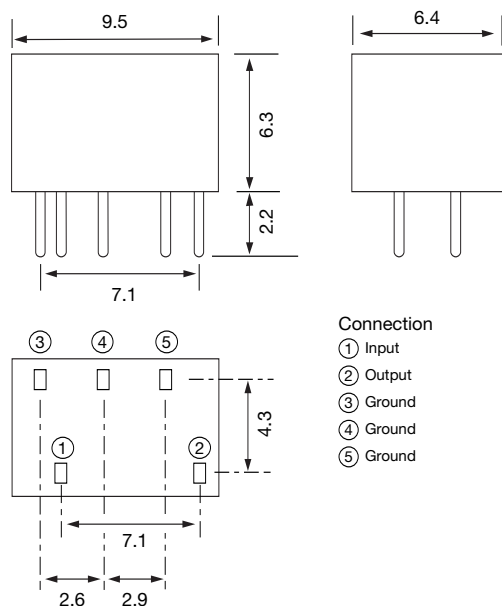


Figure 1) LTM455W – Front, Side and Bottom views

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 ⑤ and ②③④).

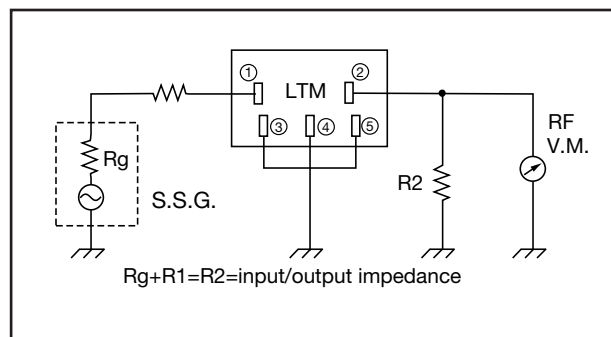


Figure 2) LTM455W – Measuring Circuit

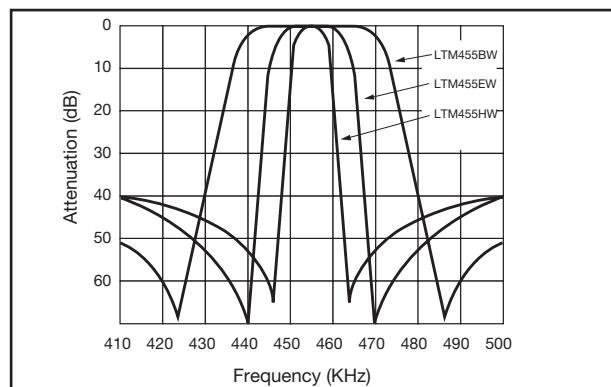


Figure 3) LTM455W – Characteristics