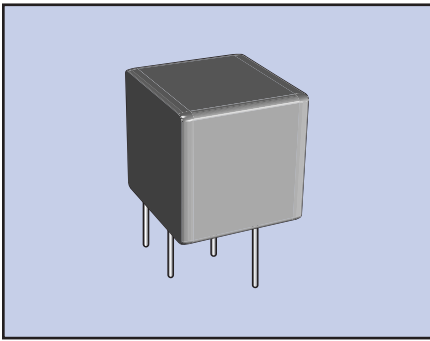




Ultra small size high selectivity type ceramic filter for communication use.

FEATURES

- Ultra small size
- 6.5 mm profile
- Bandwidths from 4KHz to 30KHz available
- RoHS Compliant (Note 7 exemption)
- 4 elements

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PART NUMBER	CENTER FREQUENCY (KHz)	INSERTION LOSS (dB) MAX.	PASS BAND RIPPLE (dB) MAX.	6 dB BANDWIDTH (KHz) MIN.	40 dB BANDWIDTH (dB) MAX.	STOP BAND ATT. ± 100 KHz (dB) MIN.	INPUT / OUTPUT IMPEDANCE (Ω)
LTM455BU	455 ± 2.0	4	2	± 15	± 30	27	1500
LTM455CU	455 ± 2.0	4	2	± 12.5	± 24	27	1500
LTM455DU	455 ± 1.5	4	2	± 10	± 20	27	1500
LTM455EU	455 ± 1.5	6	2	± 7.5	± 15	27	1500
LTM455FU	455 ± 1.5	6	2	± 6	± 12.5	27	2000
LTM455GU	455 ± 1.0	6	2	± 4.5	± 10	25	2000
LTM455HU	455 ± 1.0	6	2	± 3	± 9	25	2000
LTM455IU	455 ± 1.0	6	2	± 2	± 7.5	25	2000
LTM455HTU	455 ± 1.0	6	2	± 3	± 9	35	2000
LTM455ITU	455 ± 1.0	6	2	± 2	± 7.5	35	2000

PACKAGE DIMENSIONS (mm)

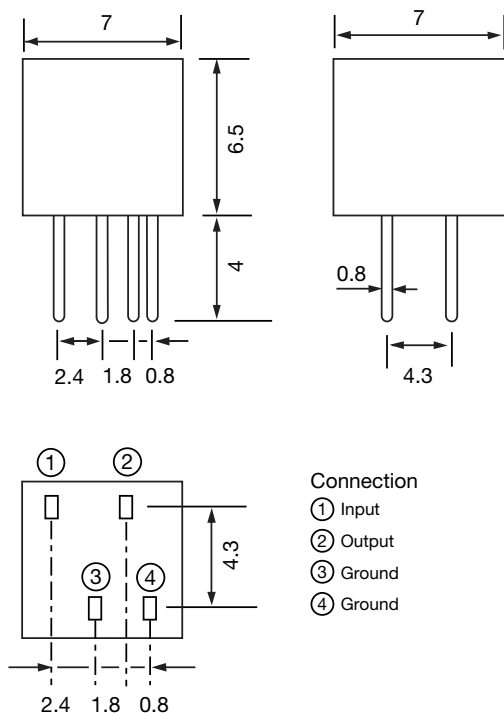


Figure 1) LTM455U – Front, Side and Bottom views

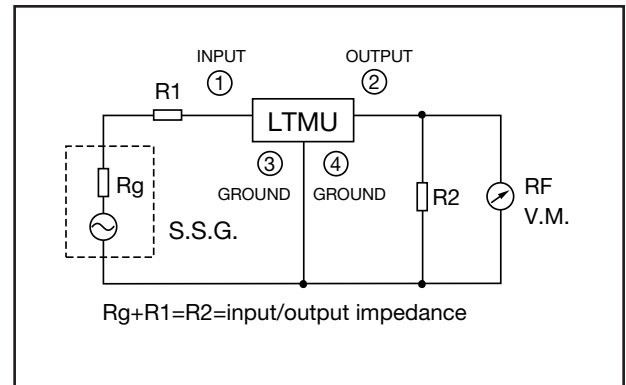


Figure 2) LTM455U – Measuring Circuit

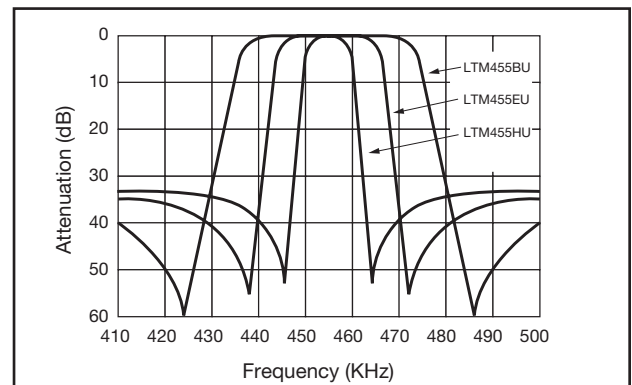


Figure 3) LTM455U – Characteristics

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 ③ and ①②).