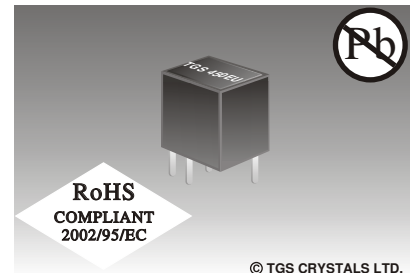


FEATURES

- Low Cost
- Wide Range of Band Width
- Ultra-small Size 6.5X6.5X6.3mm

APPLICATIONS

- Telecommunications



© TGS CRYSTALS LTD.

SPECIFICATION FOR 450KHz *

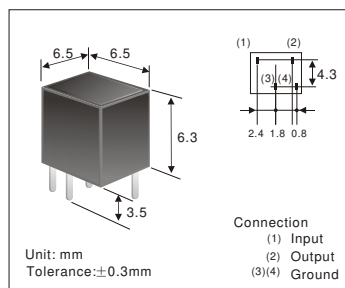
Characteristics Part Number	Centre Frequency (KHz)	Insertion Loss (dB Max.)	Passband Ripple (dB Max.)	6dB Bandwidth (KHz)Min	50dB Bandwidth (KHz)Max	Stop band Att ±100KHz (dB)Min	Input/output Impedance (Ω)
CFM450BU	fo±2.0	4	2	±15.0	±30.0	30	1500
CFM450CU	fo±2.0	4	2	±12.5	±24.0	30	1500
CFM450DU	fo±1.5	4	2	±10.0	±20.0	30	1500
CFM450EU	fo±1.5	6	2	±7.5	±15.0	30	1500
CFM450FU	fo±1.5	4	2	±6.0	±12.5	30	2000
CFM450GU	fo±1.5	6	2	±4.5	±10.0	30	2000
CFM450HU	fo±1.0	6	2	±3.0	±9.0	30	2000
CFM450IU	fo±1.0	6	2	±2.0	±7.5	30	2000
CFM450HTU	fo±1.0	6	2	±3.0	±9.0	35	2000
CFM450ITU	fo±1.0	6	2	±2.0	±7.5	35	2000

SPECIFICATION FOR 455KHz *

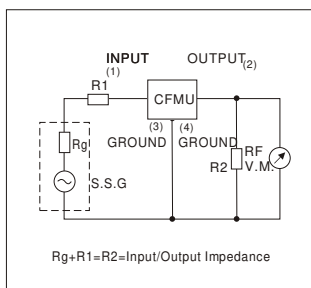
Characteristics Part Number	Centre Frequency (KHz)	Insertion Loss (dB Max.)	Passband Ripple (dB Max.)	6dB Bandwidth (KHz)Min	50dB Bandwidth (KHz)Max	Stop band Att ±100KHz (dB)Min	Input/output Impedance (Ω)
CFM455BU	fo±2.0	4	2	±15.0	±30.0	30	1500
CFM455CU	fo±2.0	4	2	±12.5	±24.0	30	1500
CFM455DU	fo±1.5	4	2	±10.0	±20.0	30	1500
CFM455EU	fo±1.5	6	2	±7.5	±15.0	30	1500
CFM455FU	fo±1.5	4	2	±6.0	±12.5	30	2000
CFM455GU	fo±1.5	6	2	±4.5	±10.0	30	2000
CFM455HU	fo±1.0	6	2	±3.0	±9.0	30	2000
CFM455IU	fo±1.0	6	2	±2.0	±7.5	30	2000
CFM455HTU	fo±1.0	6	2	±3.0	±9.0	35	2000
CFM455ITU	fo±1.0	6	2	±2.0	±7.5	35	2000

* Specifications Subject to Change Without Notice

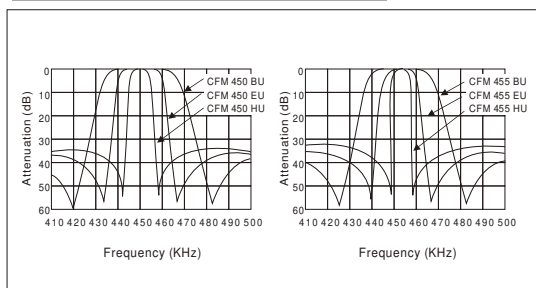
DIMENSIONS



TEST CIRCUIT



FREQUENCY CHARACTERISTICS



PACKAGE

- Standard package in bulk: 1000 pcs/ box, 10 box/carton

PART NUMBER GUIDE

TGS	CF	M	455	E	U
Mark	Ceramic Filter	M:Height-6.3mm	Centre Freq.	Grade	U: 3 Pin

e.g. Full P/N.: TGS CFM 455E U