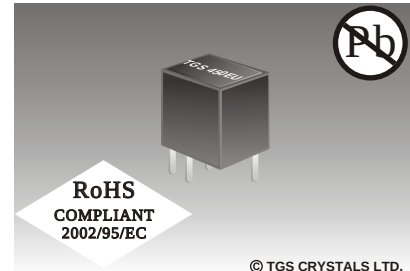


FEATURES

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

APPLICATIONS

- Telecommunications



© TGS CRYSTALS LTD.

SPECIFICATION FOR 450KHz *

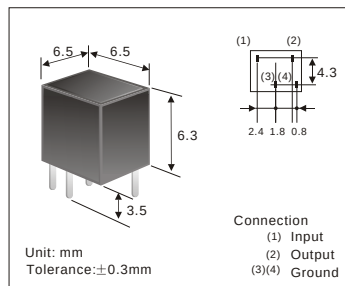
Characteristics Part Number	Centre Frequency (KHz)	Insertion Loss (dB Max.)	Passband Ripple (dB Max.)	6dB Bandwidth (KHz)Min	50dB Bandwidth (KHz)Max	Stop band Att ±100KHz (dB)Min	Input/output Impedance (Ω)
CFM450BU	$f_o \pm 2.0$	4	2	± 15.0	± 30.0	30	1500
CFM450CU	$f_o \pm 2.0$	4	2	± 12.5	± 24.0	30	1500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

SPECIFICATION FOR 455KHz *

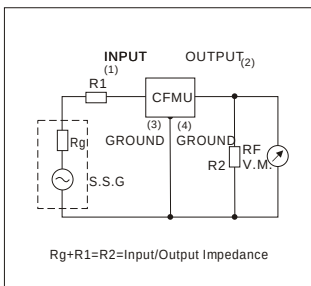
Characteristics Part Number	Centre Frequency (KHz)	Insertion Loss (dB Max.)	Passband Ripple (dB Max.)	6dB Bandwidth (KHz)Min	50dB Bandwidth (KHz)Max	Stop band Att ±100KHz (dB)Min	Input/output Impedance (Ω)
CFM455BU	$f_o \pm 2.0$	4	2	± 15.0	± 30.0	30	1500
CFM455CU	$f_o \pm 2.0$	4	2	± 12.5	± 24.0	30	1500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

* Specifications Subject to Change Without Notice

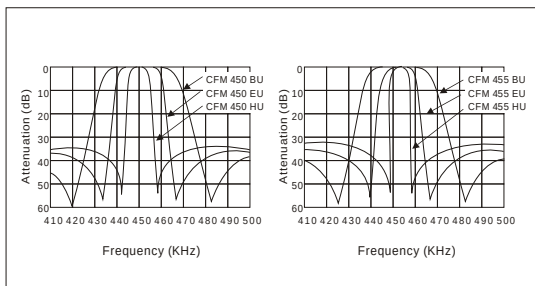
DIMENSIONS



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