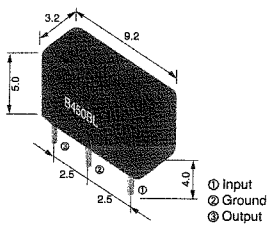
YIC Ceramic Filter (LTB / LT10.7 / LTCA10.7 / LTCV10.7 Series)

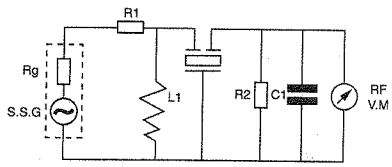
LTB Series of Ceramic Filter for Communication 45o - 470KHz



TECHNICAL CHARACTERISTICS

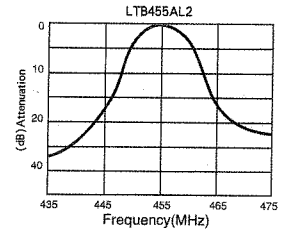
Part Nunber	Center Frequency (fn) (KHz)	6dB Band Width (KHz) min	Selectivity ±9KHz off (dB) min	Pass Band Ripple (dB) max	Insertion Loss (dB) max	Input / Output Impedance(Ω)
LTB450AL2	450±2	4	18	1.0	6.8	1.0/1.5
LTB455AL2	455±2					
LTB465AL2	465±2					
LTB450BL2	450±2	6	16	1.0	5.8	1.5/2.0
LTB455BL2	455±2					
LTB465BL2	465±2					

TEST CIRCUIT

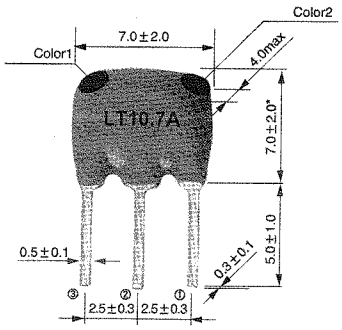


Rg+R1=Input Impedance R2=Output Impedance
C1=50pF L1=2.7mH

CHARACTERISTICS



LT 10.7 Series of Ceramic Filter for FM 10.7MHz



①Input *L、LA10: 6.0max
②Ground
③Output

Color1:MA5,MA5A10,MS2,MS2A10,MJA10
Color2:MS3,MS3A10,MHY,MJ

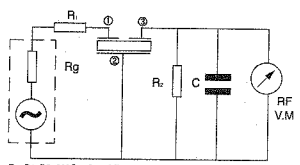
TECHNICAL CHARACTERISTICS

Part Number	3dB Band Width(kHz)	20dB Band Width (kHz)max	Insertion Loss (dB)max	Spurious Response (9-12MHz)(dB)
LT10.7MA5	280±50	650	6	30
LT10.7MS2	230±50	600	6	40
LT10.7MS3	180±40	520	7	40
LT10.7MJ	150±40	400	10	38
LT10.7MA19	350min	950	3±2	20
LT10.7MA20	330±50	680	4±2	30
LT10.7MFP	20 min	95	6.0max	24
LT10.7MHY	110±30	350	7±2	30
LT10.7MA5A10	280±40	590	2.5±2	30
LT10.7MS2A10	230±40	520	3.0±2	35
LT10.7MS3A10	180±40	470	3.5±1.5	35
LT10.7MJA10	150±40	360	4.5±2	35

SPECIFICATION

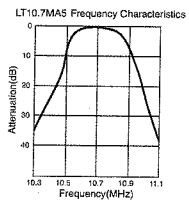
Center Frequency	Color
D:10.64MHz±30KHz	Black
B:10.67MHz±30KHz	Blue
A:10.70MHz±30KHz	Red
C:10.73MHz±30KHz	Orange
E:10.76MHz±30KHz	White

TEST CIRCUIT

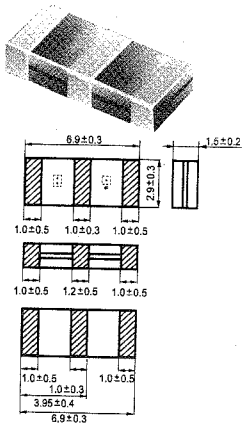


Rg+Ri=Rr=330Ω C=10PF
(Including stray capacitance and input capacitance of RF voltmeter)

CHARACTERISTICS



Chip Type LTCA/CV10.7 Series of Ceramic Filter for FM 10.7MHz



TECHNICAL CHARCCTERISTICS

Part Number	3dB Band Width (kHz)max	20dB Band Width (kHz)max	Insertion Loss (dB)max	Spurious Attenuation (9-12MHz)(dB)min
LTCA10.7MA5	280±50	650	6.0	30
LTCA10.7MS2	230±50	600	6.0	30
LTCA10.7MS3	180±40	520	7.0	30
LTCV10.7MA5	280±50	590	3.0±2.0	35
LTCV10.7MS2	230±50	510	3.5±2.0	35
LTCV10.7MS3	180±40	470	4.0±2.0	35

Input/output Impedance:330 Ω