

Ceramic Filter	Features ◆RoHS Compliant ◆Through hole type	
ZTF 10.7MHz		

Electrical Specifications

Item	Specifications
Center Frequency Range	10.7MHz
Withstand DC Voltage	50V 1min maximum
Maximum applied DC voltage	10V
Operating temperature	-25℃~85℃
Temp. Coefficient of Frequency (%) max	±0.3 (Center Frequency Drift, -25℃~85℃)
Storage temperature range	-40℃~90℃

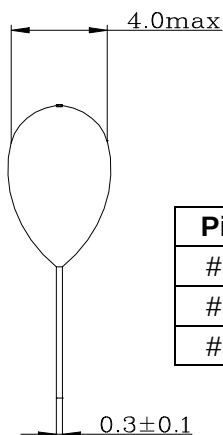
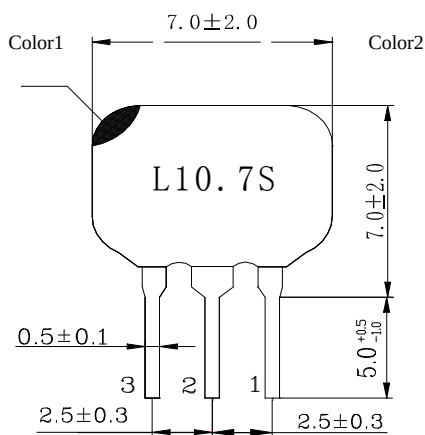
Electronic Characteristics

P/N	3dB Band Width (KHz)	20dB Band Width (KHz) Max	Insertion Loss (dB)	Spurious Attenuation(9~12 MHz)(dB) Min	I/O Impedance(Ω)	Notes
ZTF10.7MA5	280±50	650	6.0Max	30	330	FM Receiver
ZTF10.7MS2	230±50	600	6.0Max	40	330	
ZTF10.7MS3	180±40	520	7.0Max	40	330	
ZTF10.7MA5A10	280±50	590	2.5±2.0	30	330	Low-Loss Type
ZTF10.7MS2A10	230±50	520	3.0±2.0	35	330	
ZTF10.7MS3A10	180±40	470	3.5±1.5	35	330	
ZTF10.7MJA10	150±40	360	4.5±2.0	35	330	
ZTF10.7MA21	400Min	950	3.0±2.0	20	330	Wide/Narrow Band-Width Type
ZTF10.7MA19	±175Min	950	3.0±2.0	20	470	
ZTF10.7MA20	330±50	680	4.0±2.0	30	330	
ZTF10.7MHY	110±30	350	5.5±2.0	30	330	
ZTF10.7MFP	20Min	95	6.0Max	24(10.7±1.0MHZ)	600	
ZTF10.7MA5L	280±50	650	6.0Max	30	330	Low-Profile Type
ZTF10.7MS2L	230±50	600	6.0Max	40	330	
ZTF10.7MS3L	180±40	520	7.0Max	40	330	
ZTF10.7MJL	150±40	400	10.0Max	40	330	
ZTF10.7MA5LA10	280±50	590	2.5±2.0	30	330	Low-Loss/Low-Profile Type
ZTF10.7MS2LA10	230±50	520	3.0±2.0	35	330	
ZTF10.7MS3LA10	180±40	470	3.5±1.5	35	330	
ZTF10.7MJLA10	150±40	360	5.5±2.0	35	330	
ZTF10.7MA20L	330±50	680	6.0Max	30	330	Wide/Narrow Band-Width Low-Profile Type
ZTF10.7MHYL	110±30	350	10.0Max	30	330	

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Dimensions



Color1:A5 A5L S2 S2L JA10

Color2:S3 S3L HY HYL

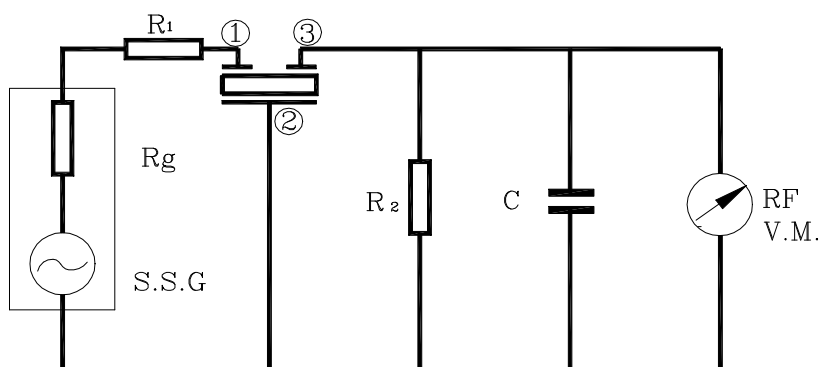
Standard Rule

Center Frequency	Color
D:10.640MHz $\pm$ 30KHz	Black
B:10.670MHz $\pm$ 30KHz	Blue
A:10.700MHz $\pm$ 30KHz	Red
C:10.730MHz $\pm$ 30KHz	Orange
E:10.760MHz $\pm$ 30KHz	White

Pin	Connection
#2	Input
#2	GND
#3	OUTPUT

Unit:mm 1000(500)pcs/Pag

Test Circuit

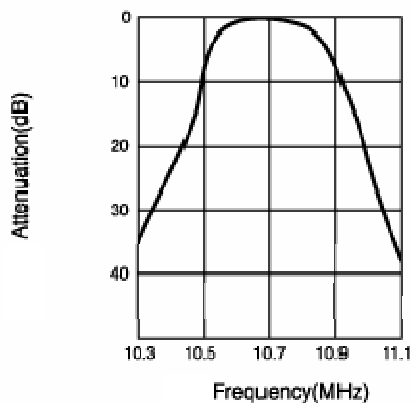


$R_g + R_1 = R_2 = 330 \Omega$ (I/O Impedance)

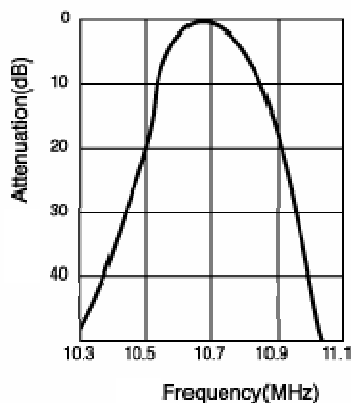
$C = 10\text{Pf}$ (Including stray capacitance and input capacitance of RF voltmeter)

Characteristics Chart

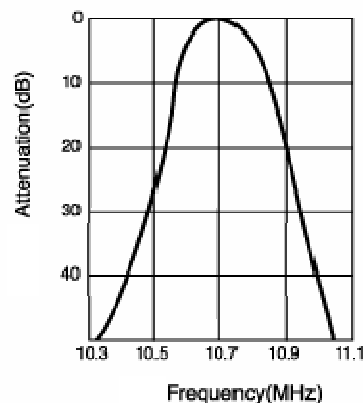
ZTF10.7MA5



ZTF10.7MS2



ZTF10.7MS3



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Reflow Soldering Profile

