



# Filters

## LT Miniature for AM Ceramic Filters / 小型濾波器

LT Miniature for AM Filter is one of the most recommendable intermediate type, having such distinctive features as high selectivity, high stability and adjustment-free operation. Additionally its easy matching with IC helps create an easy circuit design such as applications in Electric synthesized tuners, HiFi audio systems, AM stereo demodulations, One-chip non-adjustment IC's, and even smaller, thinner set structure to cope with these diversifying for AM receiver. Features with center frequency between 450 and 470 kHz, standard tolerance  $\pm 2\text{kHz}$ , and synthesizers for the types of center frequencies 450, 459 and 468 kHz. Standard tolerance is  $\pm 1\text{ kHz}$ .

### ▶ LT MINIATURE ( Murata PFB Series Compatible )

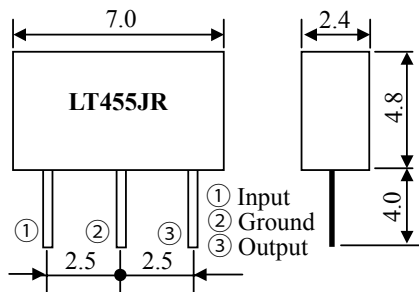
450 kHz ~ 470 kHz

#### Miniature LT Filter Technical Characteristics

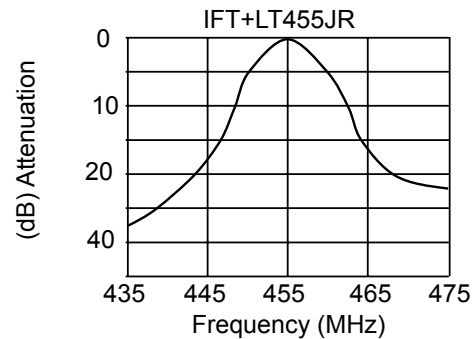
Part Number	3dB Band Width (kHz)	Selectivity $\pm 9\text{kHz}$ off (dB)	Insertion Loss (dB)	Composition
LT 455JR	$5.5 \pm 1.5$	$\geq 17$	$\leq 6$	2 elements

- Center Frequency ( $f_0$ ) is available in a range of 450 ~ 470kHz.  
The nominal frequency tolerance is  $\pm 2\text{kHz}$ .

### ▶ Miniature Filters Dimensions



### ▶ Miniature LT Filters Characteristics



### ▶ Recommended IFT (7mm Square)

Item	7×7mm			5×5mm		
	①~②	②~③	④~⑥	①~②	②~③	④~⑥
Winding Specification						
 Form bottom	85T	67T	23T	84T	98T	33T
unloaded $Q_u$	90			65		
Tuning Capacity	180PF			180PF		

### ▶ How to Order



- ① Part Number
- ② Packaging