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# DIRECT

## Electronics Tech.

### (XT MJ)

# Trap Filters

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**▶ Product Introduction****Direct (XT MJ) for Chrominance Carrier is Murata Trap Filter TPS MJ Series Compatible.****Features :**

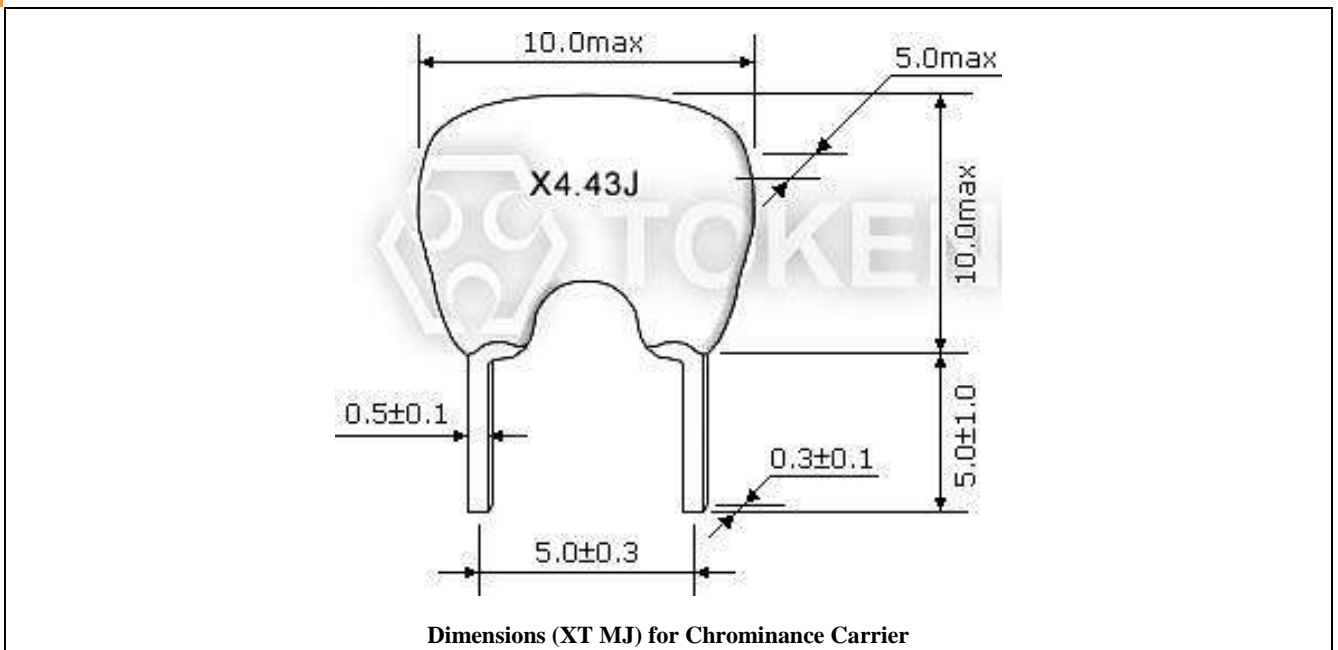
- RoHS Compliant.
- TV SIF stage use.
- Low insertion loss.
- Wide bandwidth Ceramic Trap.
- Excellent spurious suppression characteristics.

**(XT MJ) Trap Filter Quick Selection :**

- Dimensions (Unit: mm): 10.0 max x 10.0 max x 5.0 max.
- XT3.58MJ Cener Frequency  $f_0$ :3.58MHz; 20db min @ $f_0$ ; 20(kHz)min@20dB Att BW
- XT4.43MJ Cener Frequency  $f_0$ :4.43MHz; 20db min @ $f_0$ ; 40(kHz)min@20dB Att BW
- XT4.5MJ Cener Frequency  $f_0$ :4.5MHz; 20db min @ $f_0$ ; 40(kHz)min@20dB Att BW
- XT5.74MJ Cener Frequency  $f_0$ :5.74MHz; 20db min @ $f_0$ ; 40(kHz)min@20dB Att BW
- XT5.5MJ Cener Frequency  $f_0$ :5.5MHz; 20db min @ $f_0$ ; 40(kHz)min@20dB Att BW
- XT6.0MJ Cener Frequency  $f_0$ :6.0MHz; 20db min @ $f_0$ ; 40(kHz)min@20dB Att BW
- XT6.5MJ Cener Frequency  $f_0$ :6.5MHz. 20db min @ $f_0$ ; 40(kHz)min@20dB Att BW

(XT MJ) Series are band reject device used for video and sound IF attenuation. The 2 terminal (XT MJ) Series can be used to attenuate either the sound signal in B/W receivers or the Chroma signal in video. Contact us with your specific needs. For more information, please link to Direct official website "[Ceramic Trap Filters](#)".

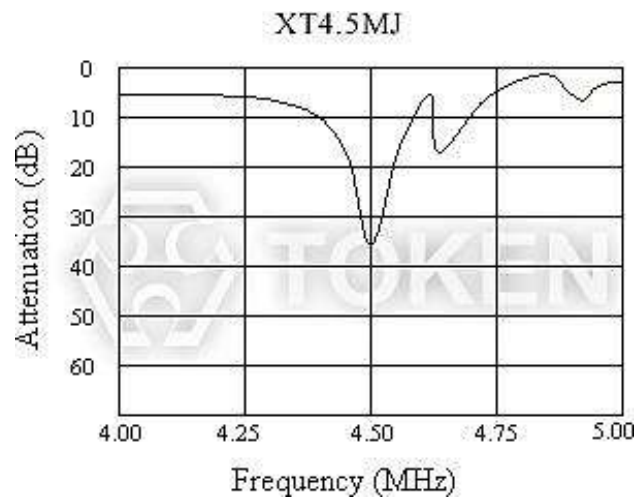


**▶ Dimensions****Dimensions (Unit: mm) (XT MJ)**

**Characteristics**

**Characteristics (XT MJ)**

Part Number	Center Frequency (fo1)(MHz)	Attenuation (at fo1)(dB)min	20dB Attenuation BW (fo1)(kHz)min
XT3.58MJ	3.580	20	20
XT4.43MJ	4.430	20	40
XT4.5MJ	4.500	20	40
XT5.5MJ	5.500	20	40
XT5.74MJ	5.742	20	40
XT6.0MJ	6.000	20	40
XT6.5MJ	6.500	20	40



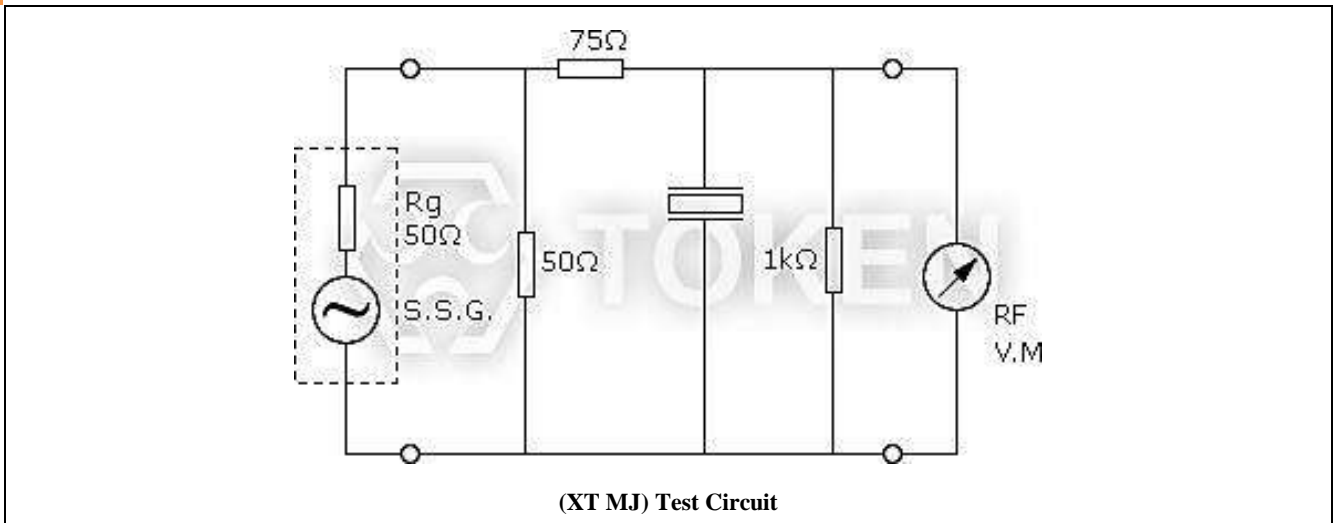
XT MJ Characteristics

- The level at 1MHz shall be made for a reference (0dB).



▶ **Test Circuit**

**Test Circuit (XT MJ)**



▶ **Order Codes**

**Order Codes (XT MJ)**

XT3.58MJ	P
Part Number	Package

▶ **General Information**

**Advantage of Direct Piezoelectric Trap Filters**

Direct Electronics had been able to develop specialized piezo materials which when combined with an advance design have resulted in a complete line of practical, inexpensive piezo devices for entertainment and communications applications.

Direct reliably deliver high-quality components according to the each customer special needs with respect to performance, costs, and technology modifications.

For marketing discontinuations or sourcing activities concerning Piezoelectric "Trap" products, you are encouraged to contact our Sales Department so the request can be properly directed within Direct.