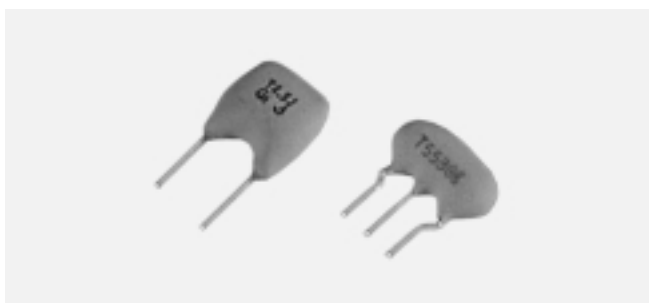


PIEZO FILTERS CERAMIC TRAPS HIGH ATTENUATION

TPS MJ/TPSRA 4.5–6.5MHz



The TPS/TPSRA lines of ceramic traps are band reject filters used for video and sound IF attenuation. The 2 terminal TPS Series can be used to attenuate either the sound signal in B/W receivers or the chroma signal in video. The 3 terminal TPSRA Series contains 2 trap elements on one substrate for additional attenuation. This line of traps can be used in the sound IF of CATV/VCR receivers.

TPSRA series replaces TPS...MB series.

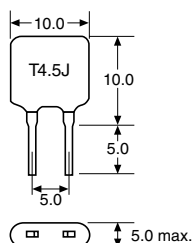
SPECIFICATIONS

TPS 4.5–6.5MHz

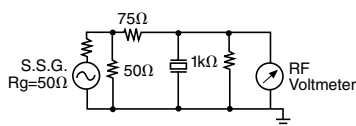
Part Number	Nominal Center Frequency (fn)	Attenuation at fn (dB) min.	20dB Attenuation Bandwidth (kHz) min.	Spurious Response (0 to fn) (dB) max.
★TPS3.58MJ	3.58MHz	20 (27)	20 (30)	0.5 (0)
TPS4.43MJ	4.43MHz	20 (30)	40 (50)	0.5 (0)
★TPS4.5MJ	4.5MHz	20 (30)	30 (50)	0.5 (0)
★TPS5.5MJ	5.5MHz	20 (30)	30 (60)	0.5 (0)
★TPS6.0MJ	6.0MHz	20 (30)	40 (70)	0.5 (0)
TPS6.5MJ	6.5MHz	20 (30)	40 (90)	0.5 (0)

() Typ. value

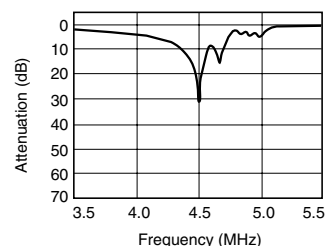
DIMENSIONS: mm



CIRCUIT



CHARACTERISTICS



NEW

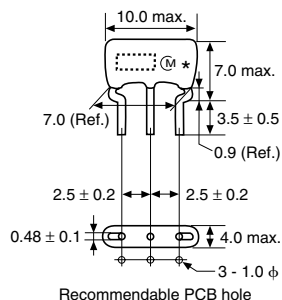
SPECIFICATIONS

TPSRA 4.5–6.5 MHz

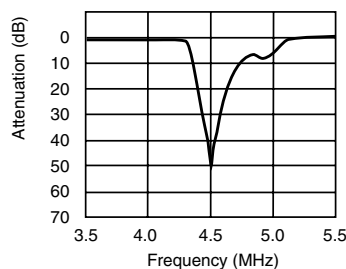
Part Number	Nominal Center Frequency (fn)	Attenuation at fn (dB) min.	30dB Bandwidth (kHz) min.	Ripple (dB) max.
TPSRA4M50B00-B0	4.5MHz	35	50	0.22 (within 0MHz to 4.0MHz)
TPSRA5M50B00-B0	5.5MHz	35	70	0.5 (within 0MHz to 5.0MHz)
TPSRA6M00B00-B0	6.0MHz	35	70	0.5 (within 0MHz to 5.5MHz)
TPSRA6M50B00-B0	6.5MHz	35	70	0.5 (within 0MHz to 6.0MHz)
TPSRA4M50C00-B0	4.5MHz	30	—	0.5 (within 0MHz to 4.0MHz)

() Typ. value

DIMENSIONS: mm



CHARACTERISTICS



* Available as standard through authorized Murata Electronics Distributors.

PIEZO FILTERS
CERAMIC TRAPS
SURFACE MOUNT TV/VCR TYPE

NEW

muRata
Innovator in Electronics

TPSCC 4.5–6.5MHz



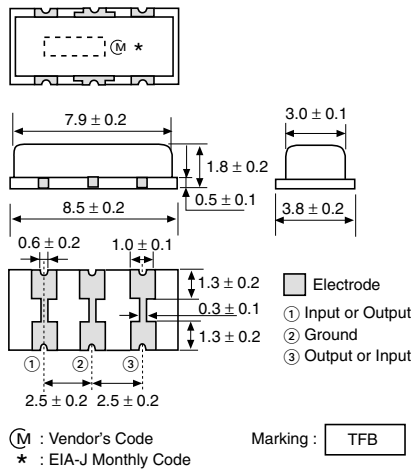
Murata is now able to offer the high performance of the TPS-MB/TPSRA series of ceramic traps in a surface mount package. The TPSCC line of ceramic traps is designed to meet the increasing demand for smaller, high quality surface mount traps for the TV, CATV, and VCR markets. This series has two trap elements on one substrate for high attenuation of the sound IF in television receivers.

SPECIFICATIONS

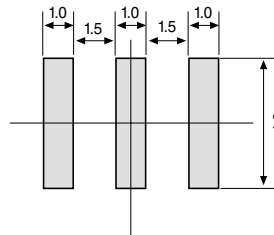
TPSCC 4.5–6.5MHz

Part Number	Nominal Center Frequency (fn) (MHz)	Center Frequency (fo)	Attenuation at fn (dB) min.	30dB Attenuation Bandwidth (kHz) min.	Ripple (dB) max.
TPSCC3.58MB-TC10	3.58	3.580 ± 40kHz	25	40 (25dB BW)	1.0
TPSCC4.50MB-TC10	4.5	4.500 ± 40kHz	35	50	0.5
TPSCC5.5MB-TC10	5.5	5.500 ± 50kHz	35	70	0.5
TPSCC6.0MB-TC10	6.0	6.000 ± 50kHz	35	70	0.5
TPSCC6.5MB-TC10	6.5	6.500 ± 50kHz	35	70	0.5

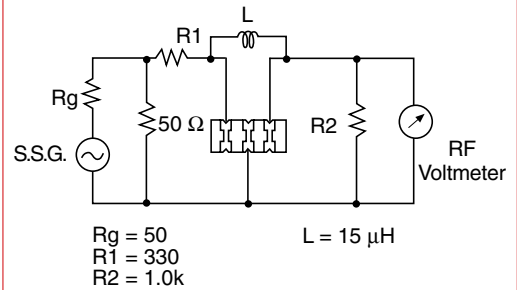
DIMENSIONS: mm



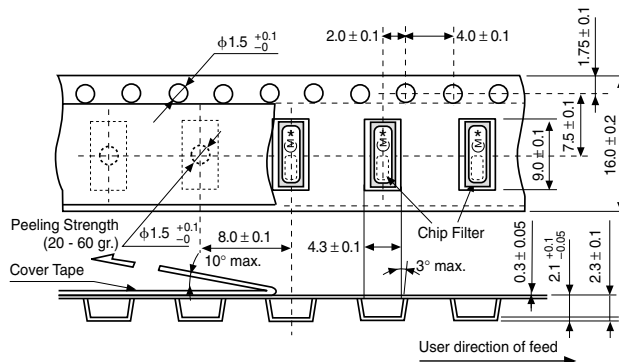
LAND PATTERN



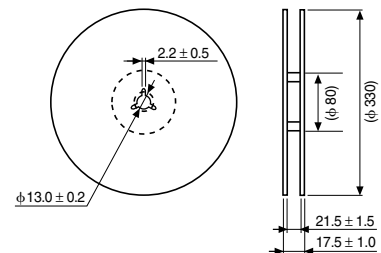
TEST CIRCUIT



TAPE DIMENSIONS



REEL DIMENSIONS



PIEZO FILTERS