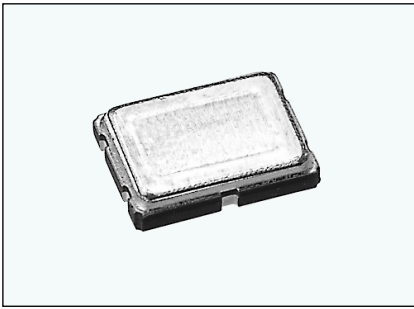


Monolithic Crystal Filter (MCF)



TS3-45A01

3-pole MCF

Features

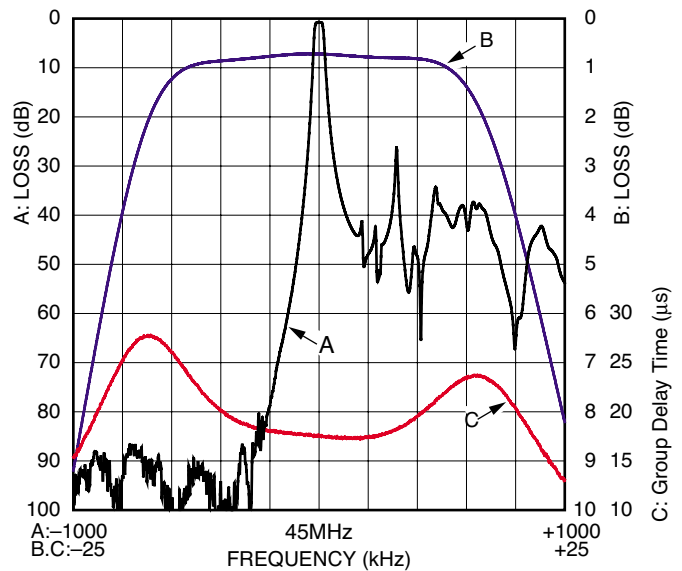
- Miniature size : 7.0(W) X 5.0(D) X 1.5(H)mm
- Surface mounting is possible
- High attenuation

Application

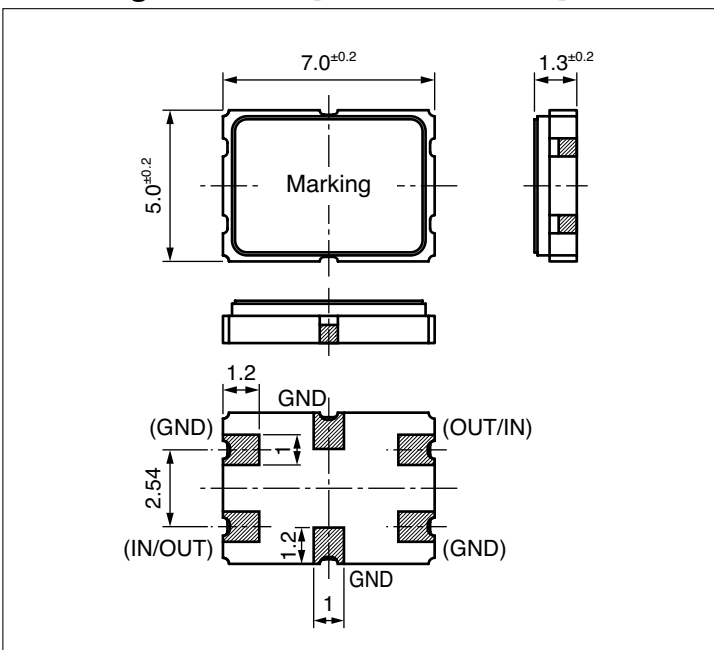
- IF filter for Cellular Phone
AMPS / TDMA system
- Pager
- Cordless Phone

Specifications

Type	TS3-45A01
Nominal frequency [fo]	45 MHz
3dB Pass band	fo ±15kHz min.
Insertion loss	3.0 dB max.
Pass band ripple (Peak to valley)	1.0 dB max.
Stop band attenuation	
fo ± 50kHz	20 dB min.
fo -100kHz	40 dB min.
fo -200kHz	60 dB min.
fo -800kHz to -1000kHz	70 dB min.
Spurious response	10 dB min.
Group delay distortion	10 μs max. within fo ±12kHz
Terminating impedance	1200 Ω // -1.0 pF
Operating temperature range	-30 °C to +85 °C



Package Outlines [Dimensions in mm]



Footprint [Dimensions in mm]

