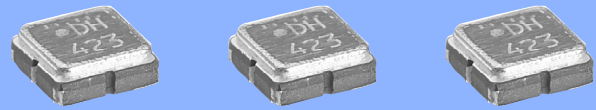


SAW FILTER FOR ISM BAND / RF

TQS-566AA-7R TQS-557AA-7R TQS-542AA-7R

•Lead(Pb)-free : Lead free completely



Actual size

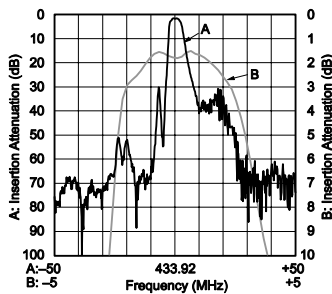
TQS-566AA-7R	TQS-557AA-7R	TQS-542AA-7R

Specifications (characteristics)

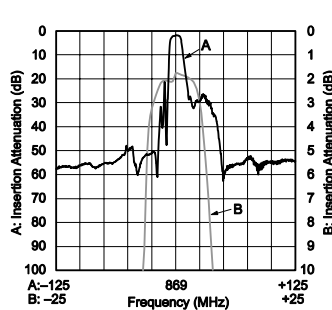
Item	Symbol	TQS-566AA-7R	TQS-557AA-7R	TQS-542AA-7R
Nominal frequency	f_0	433.92 MHz	869 MHz	915 MHz
Storage temperature range	T_{stg}	-40 °C to +85 °C	-40 °C to +85 °C	-40 °C to +85 °C
Operating temperature range	T_{use}	-30 °C to +85 °C	-10 °C to +60 °C	-30 °C to +85 °C
Passband	BW	433.05 to 434.79 MHz	868 to 870 MHz	902 to 928 MHz
Insertion loss	IL	3.4 dB Max. (IL in passband)	3 dB Max. (IL in passband)	3.0 dB Max. (IL in passband)
Ripple	Ri	2 dBp-p Max.	1.5 dBp-p Max.	1.8 dBp-p Max.
VSWR	—	2.0 Max.	2.5 Max.	2.5 Max.
Stop band attenuation (relative to through level)	—	DC to 392 MHz : 55 dB Min. 392 to 414 MHz : 45 dB Min. 414 to 424.3 MHz: 40 dB Min. 443 to 475 MHz : 25 dB Min. 475 to 479 MHz : 55 dB Min. 479 to 1000 MHz : 40 dB Min.	DC to 828 MHz : 45 dB Min. 828 to 849 MHz : 30 dB Min. 880 to 890 MHz : 10 dB Min. 890 to 925 MHz : 22 dB Min. 925 to 1740 MHz: 40 dB Min.	DC to 843 MHz : 45 dB Min. 987 to 1857 MHz: 40 dB Min.
Terminating impedance	Z	50 Ω (Unbalanced)	50 Ω (Unbalanced)	50 Ω (Unbalanced)
Package	—	SS-30S1(G)	SS-30S1(G)	SS-30S1(G)

Electrical DATA

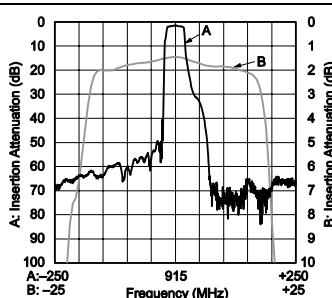
TQS-566AA-7R



TQS-557AA-7R

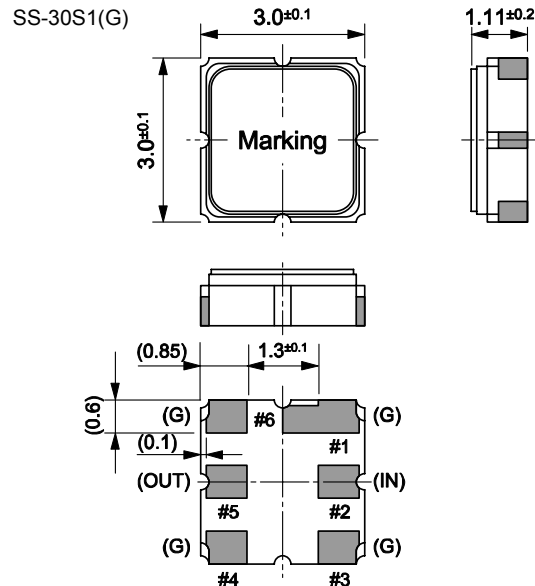


TQS-542AA-7R



External dimensions

(Unit : mm)



Footprint (Recommended)

(Unit : mm)

