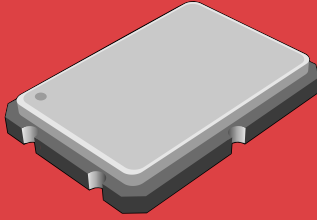




RXDSF75 SERIES

FEATURES

- Low profile of 1.5 mm maximum height
- Industry standard footprint
- Sharp cut-off characteristics
- Long term stability
- Tape & Reel (1,000 pcs)



SMD MONOLITHIC CRYSTAL FILTER

RXD delivers pure filtering versatility with the RXDSF75 Series monolithic crystal filter. This low profile SMD filter addresses a broad range of applications including wide/narrow band filters for mobile, UHF and cordless telephone applications.

PART NUMBERING GUIDE "EXAMPLE"

PART NUMBER	FREQUENCY
RXDSF7521A15	21.40000 MHz
RXDSF7529A20	29.25000 MHz
RXDSF7545A30	45.00000 MHz
RXDSF75109A24	109.65000 MHz

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	RXDSF7521A15	RXDSF7529A20	RXDSF7545A30	RXDSF75109A24	UNITS
NOMINAL FREQUENCY	21.40000	29.25000	45.00000	109.65000	MHz
OSCILLATION MODE	Fundamental	Fundamental	Fundamental	3rd Overtone	
3 db PASSBAND WIDTH	±7.5KHz min.	±10KHz min.	±15KHz min.	±12KHz min.	KHz
STOPBAND WIDTH	±25KHz max./10db	±25KHz max./10db	±60KHz max./15db	±60KHz max./18db	KHz/db
RIPPLE	1.0db max.	1.0db max.	1.0db max.	1.0db max.	db
INSERTION LOSS	2.5db max.	1.5db max.	3.0db max.	3.0db max.	db
ATTENUATION GUAR. (fo-910KHz)	65db min.	70db min.	70db min.	65db min.	db
TERMINATING IMPEDANCE	1500Ω//2.5pF	1800Ω//1.5pF	1200Ω//1.8pF	1500Ω//1.2pF	Ω//pF
OPERATING TEMP. RANGE	-30 ~ +85	-30 ~ +85	-30 ~ +85	-30 ~ +85	°C
NUMBER OF POLES	2	2	2	2	

PACKAGE DIMENSIONS (mm)

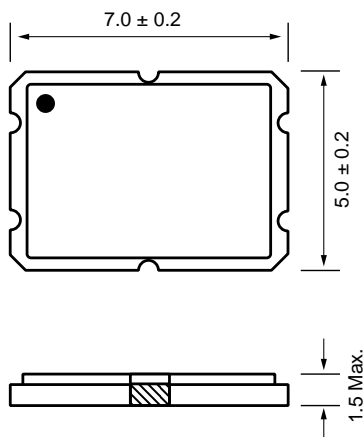


Figure 1) RXDSF75 - Top and Side views

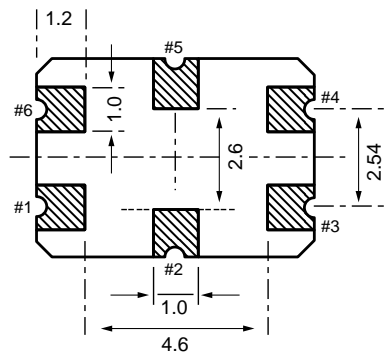


Figure 2) RXDSF75 Pad Layout - Bottom view

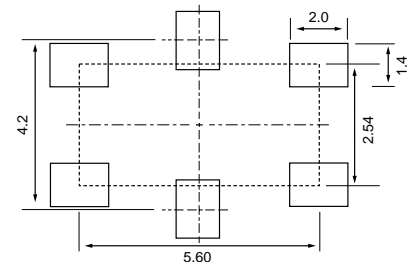


Figure 3) RXDSF75 Land Pattern

PIN CONNECTIONS	
#1	IN/OUT
#2	GND
#3	GND
#4	OUT/IN
#5	GND
#6	GND