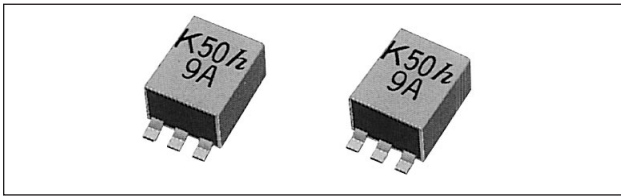


KHz Band Ceramic IF Filters (SMD)

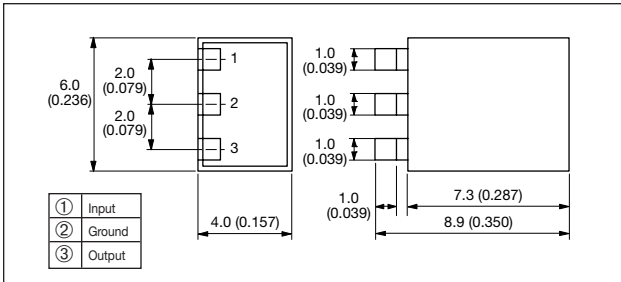


PBFS-P Series

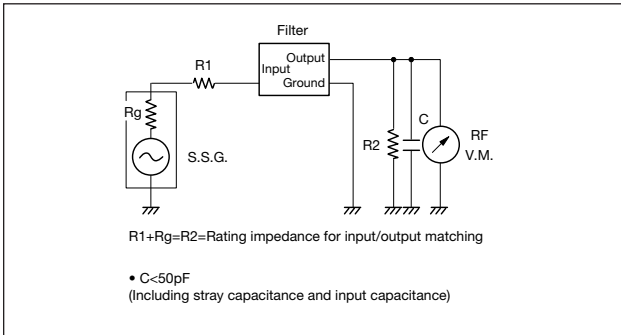


DIMENSIONS

millimeters (inches)



TEST CIRCUIT



FEATURES

- Small and low profile
- Excellent anti-shock performance
- Reflow solderable
- First class auto placement

APPLICATIONS

- Cellular phone
- Cordless phone
- Car audio (AM radio section)
- Walkie & Talkie (Citizens band, MCA)

HOW TO ORDER

PBFS - 455 P 12 D R

Packaging

R = Taping, 1,000 pcs/reel
Nil = Bulk

Application

D = General purpose
K = Group delay flat type (telecom)

Pass Band-Width (kHz) at 6dB

Number of Element

P = 4 Elements

Center Frequency (kHz)

[450-460kHz available]

Series

SPECIFICATIONS

Part Number	Center Frequency (f_0)	Ripple	Group Delay Time	Pass Band Width		Attenuation	Insertion Loss	Input/Output Matching Impedance	Operating Temperature
				6dB	40dB				
PBFS455P20D	455kHz $\pm 1.5\text{kHz}$	2dB max.	—	$\pm 10.0\text{kHz min.}$	$\pm 20.0\text{kHz max.}$	25dB min.	6dB max.	1.5k Ω	-20°C to +80°C
PBFS455P15D				$\pm 7.5\text{kHz min.}$	$\pm 15.0\text{kHz max.}$				
PBFS455P12D				$\pm 6.0\text{kHz min.}$	$\pm 12.5\text{kHz max.}$				
PBFS455P9D				$\pm 4.5\text{kHz min.}$	$\pm 11.0\text{kHz max.}$				
PBFS455P6D	455kHz $\pm 1.0\text{kHz}$	1dB max.	—	$\pm 3.0\text{kHz min.}$	$\pm 9.0\text{kHz max.}$	25dB min.	6dB max.	1.0k Ω	-20°C to +80°C
PBFS455P4D				$\pm 2.0\text{kHz min.}$	$\pm 7.5\text{kHz max.}$				
PBFS455P30K	455kHz $\pm 1.5\text{kHz}$	1dB max.	15 $\mu\text{Sec max.}$ at 455kHz $\pm 10\text{kHz}$	$\pm 15.0\text{kHz min.}$	$\pm 35.0\text{kHz max.}$	25dB min.	6dB max.	1.0k Ω	-20°C to +80°C
PBFS455P25K			15 $\mu\text{Sec max.}$ at 455kHz $\pm 8\text{kHz}$	$\pm 12.5\text{kHz min.}$	$\pm 30\text{kHz max.}$				
PBFS455P20K			30 $\mu\text{Sec max.}$ at 455kHz $\pm 7\text{kHz}$	$\pm 10.0\text{kHz min.}$	$\pm 22.0\text{kHz max.}$				

Taping Dimension

Recommended Temperature Profile

Recommended Land Pattern

