LTCC **High Pass Filter** 2400 to 2500 MHz

50Ω **Features**

• Miniature size 0603

• High stop band rejections

Block Diagram

HPF

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- · Low cost
- · Aqueous washable

• ISM Band

- WLAN
- Bluetooth
- Zigbee

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HPJC-252R+



Generic photo used for illustration purposes only CASE STYLE: JC0603C-4

+RoHS Compliant The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

> Available Tape and Reel at no extra cost Reel Size Devices/Reel 20, 50, 100, 200, 500,1000, 3000

Electrical Specifications at 25°C

P	Parameter	Frequency (MHz) Min. Typ. Max. 2400 - 2500 — 1.0 1.4		Max.	Unit		
Pass Band	Insertion Loss ¹			dB			
Fass Dallu	VSWR	2400 - 2500	_	1.5	1.7	:1	
Stop Bond	Dejection Loop	500-1917	_	35	—	dD	
Stop Band	Rejection Loss	1917	18	25	—	dB	

1. Tested on Evaluation Board TB-1025+

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature ²	-40°C to 85°C
RF Power Input ³	2W at 25°C
2.Refer to product storage tempera	

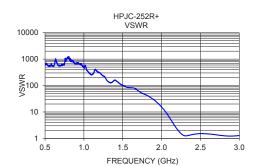
 $+5 \sim +35$ °C, Humidity 45~75%RH, 12 month Max

3. Derate linearly to 1W at 85°C.

Typical Performance Data at 25°C

Insertion Loss (dB)	VSWR (:1)			
33.63	589.33			
36.24	467.00			
31.02	100.87			
26.58	26.60			
16.47	15.45			
1.46	1.25			
1.10	1.40			
1.02	1.48			
0.95	1.52			
0.80	1.48			
0.47	1.29			
	(dB) 33.63 36.24 31.02 26.58 16.47 1.46 1.10 1.02 0.95 0.80			





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]Mini-Circuits®

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Top View 6 V_{Λ} V / / / / / / / / / /

Pad Connections

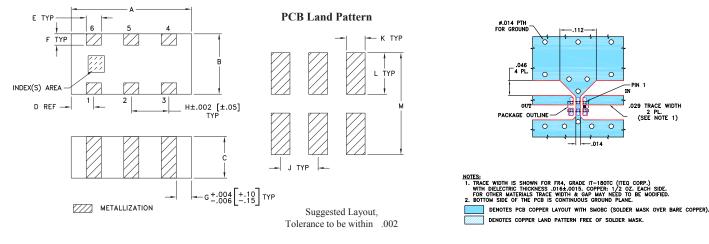
Input	1
Output	3
Ground	2,5
No Connection	4,6

High Pass Filter

HPJC-252R+

Outline Drawing





Outline Dimensions (inch)

G	F	Е	D	С	В	А
.008	.006	.008	.012	.022	.032	.063
0.20	0.15	0.20	0.30	0.56	0.81	1.60
wt		М	1	к		н
wt		М	L	K	J	Н
wt grams		M 0.053	L .022	K .010	J .020	H .020
			L .022 0.56		-	

Additional Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp