2133 & 4133 Series

Front-End Filters: 10.0MHz to 220 MHz



- Fixed bandwidth (±6.75 kHz) 2-pole and 4-pole crystal filters
- Applications where filtering incoming radio signals is required to reduce or eliminate interference

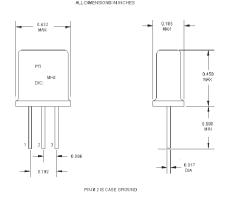
Ordering Information	2133/4133	VBB 	00.000 Mhz		
Product Series ———					
Designator ———					
Blank=F (Through Hole)	1				
See chart for correct des	signator or				
contact the factory for additional connector types					
Frequency —					
(Customer Specified)					
See Frequency Range (Chart				

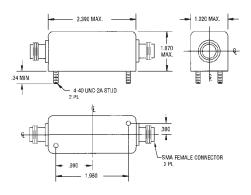
The ordering convention for a connectorized 2133/4133 Series filters with SMA-Female connectors on both the input and output would be 4133VBM @ 100.00MHz. For other, most popular connector types, reference the table and for others not

listed consult the factory.

Designator	Connector Set (Input & Output)	Designator	Connector Set (Input & Output)
VBB	BNC-Female & BNC-Female	VBP	RCA- Female & RCA- Female
VBC	UHF- Female & UHF- Female	VBR	N- Female & N-Male
VBI	OSM-212 & OSM-212	VBU	F- Female & F- Female
VBL	TNC- Female & TNC- Female	VBV	SMC- Female & SMC- Female
VBM	SMA- Female & SMA- Female	VBW	UHF- Female & S)-239
VBN	N- Female & N- Female	VBX	N-Male & N-Male
VBO	BNC-Male & BNC- Female	VBZ	PL-259 and SO-239







2133/4133 50 Ω terminated connectorized package

Family Designation	Frequency Range (MHz)	Stopband	Insertion Loss (dB)	Amplitude Ripple (dB)	Ultimate Attenuation (dB)	Operating Temperature
	10.0 to 35.99	±40.0kHz @ 20dB	3		30	
2133	36.0 to 89.99	±40.0kHz @ 20dB	4		30	
	90.0 to 137.99	±60.0kHz @ 20dB	4		30	
	138.0 to 220.0	±60.0kHz @ 20dB	5		30	
	10.0 to 35.99	±26.0kHz @ 20dB	3		60	
4133		±50.0kHz @ 40dB	4	1.0		-20°C to
	36.0 to 89.99	±26.0kHz @ 20dB	4		50	+70°C
		±50.0kHz @ 40dB	5			
	90.0 to 137.99	±30.0kHz @ 20dB	5		60	
		±50.0kHz @ 40dB	6			
	138.0 to 220.0	±30.0kHz @ 20dB	6		60	
		±50.0kHz @ 40dB	7	1		

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.