

DATA SHEET

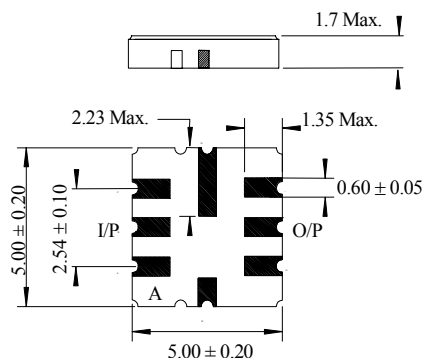
DS0027_21
21.09.01

TSF0465-04

NMT450 RX S.A.W. FILTER

PRELIMINARY SPECIFICATION

PACKAGE SMD5



All Dimensions in mm. Unused contacts to be connected to Ground

PRODUCT FEATURES:

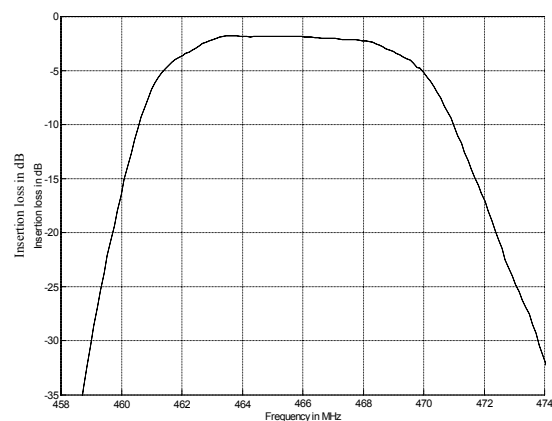
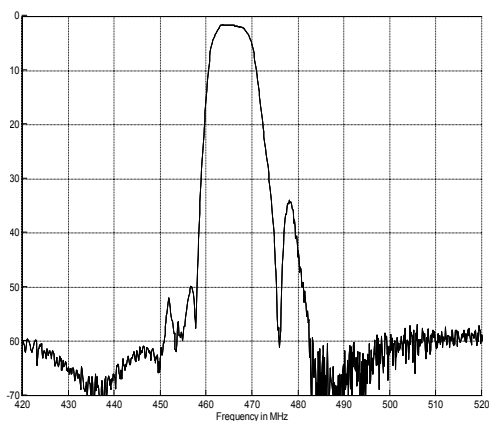
- **LOW LOSS**
- **HIGH REJECTIONS**
- **SMALL SMD PACKAGE**

CONTACT:

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TYPICAL PERFORMANCE (Measurement)



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ELECTRICAL CHARACTERISTICS						
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Operating Frequency	f_o	Nominal		465.0		MHz
Operating Band	BW_{op}	Nominal	462.5		467.5	MHz
Insertion Loss	IL	In BW_{op}		2.5	3.8	dB
VSWR	SWR	In BW_{op} at 21°C		1.5	2.1	
Rejections wrt 0 dB	R_{j1}	0.3 ... 452.5 MHz	48	55		dB
	R_{j2}	452.5 ... 457.5 MHz	35	37		dB
Temperature 15 – 40 °C	R_{j2a}	452.5 ... 457.5 MHz	40	44		dB
	R_{j3}	485 ... 507.5 MHz	40	53		dB
	R_{j4}	507.5 ... 1200 MHz	40	45		dB
	R_{j5}	1200 ... 1700 MHz	30	40		dB
	R_{j6}	1700 ... 2000 MHz	15	25		dB
Temperature Range		Operational	-10	25	85	°C
RF Power	P_{max}	In BW_{op}			25	dBm
I/p & O/P Impedance	Z_{in}/Z_{out}	Unmatched		50		Ohms

ELECTRICAL CHARACTERISTICS (based on real measurements)						
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Operating Frequency	f_o	Nominal		465.0		MHz
Operating Band	BW_{op}	Nominal	462.5		467.5	MHz
Insertion Loss	IL	In BW_{op}		2.5	4.8	dB
VSWR	SWR	In BW_{op} at 21°C		1.5	2.1	
Rejections wrt 0 dB	R_{j1}	0.3 ... 452.5 MHz	48	55		dB
	R_{j2}	452.5 ... 457.5 MHz	37	39		dB
Temperature 15 – 40 °C	R_{j2a}	452.5 ... 457.5 MHz	40	44		dB
	R_{j3}	485 ... 507.5 MHz	40	53		dB
	R_{j4}	507.5 ... 1200 MHz	40	45		dB
	R_{j5}	1200 ... 1700 MHz	30	40		dB
	R_{j6}	1700 ... 2000 MHz	15	25		dB
Temperature Range		Operational	-30	25	80	°C
RF Power	P_{max}	In BW_{op}			25	dBm
I/p & O/P Impedance	Z_{in}/Z_{out}	Unmatched		50		Ohms



TEMEX
S.A.W.

Flexibility & Innovation

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FREQUENCY SHIFT

