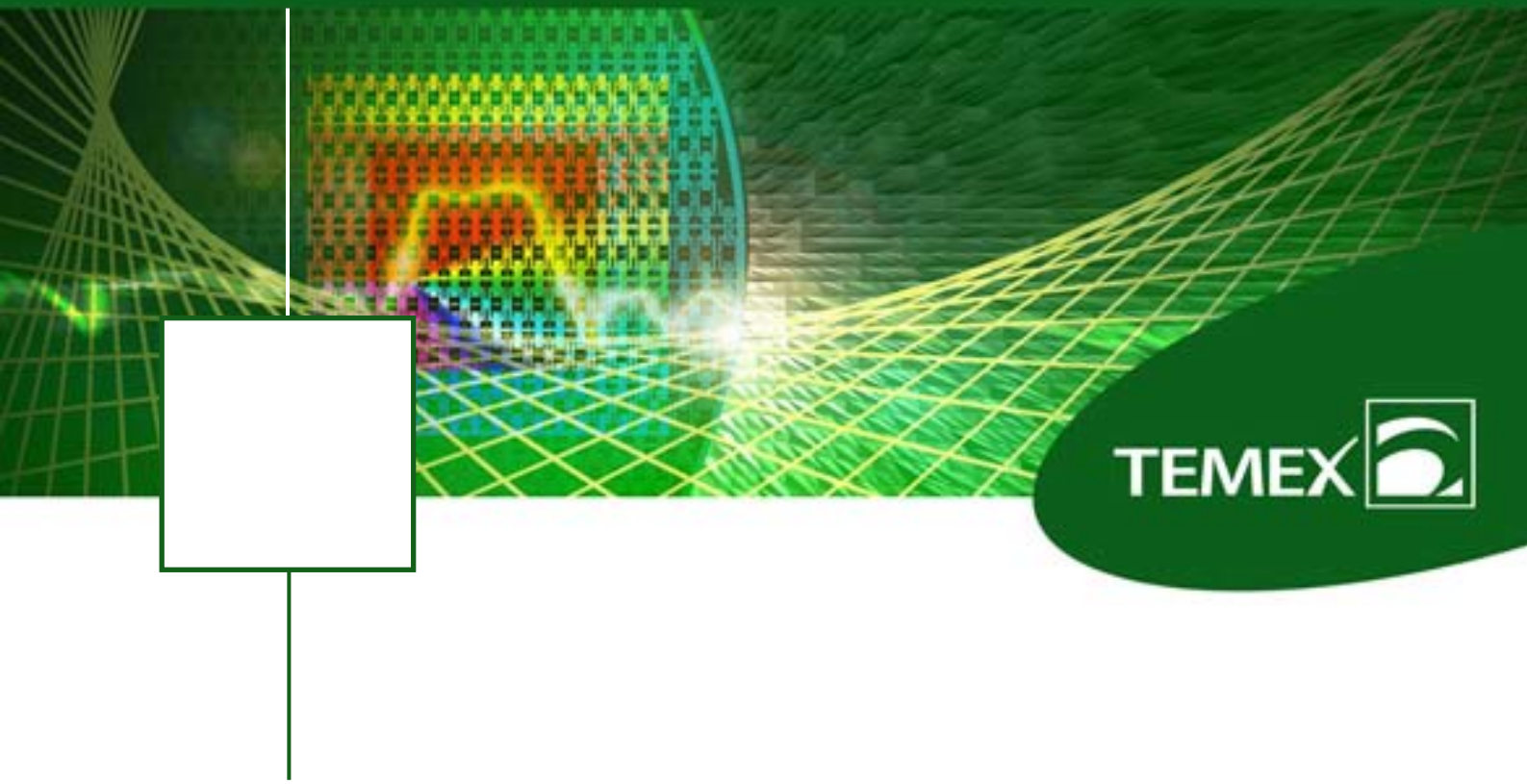

TMX U387

SAW Passband Filter - Remote Control - RF

Specification (Rev-1)

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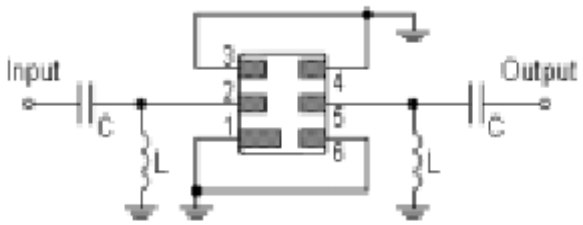
Electrical Parameters	Unit	Minimum	Typical (1)	Maximum
Source Impedance (single ended)	Ω	-	50(2)	-
Load Impedance (single ended)	Ω	-	50(2)	-
Center Frequency fo	MHz	-	433.42	-
Rejection				
At fc – 21.4 MHz (Image)	dB	36	45	-
At fc – 10.7 MHz (LO)	dB	20	25	-
Ultimate	dB	-	60	-
Insertion Loss	dB	-	3.5	5.0
Pass band at 3 dB	MHz	0.6	0.9	-
Temperature				
Turnover Temperature	°C	25	-	55
Turnover Frequency	MHz	-	fo	-
Frequency Temperature Coefficient	ppm/°C²	-	0.032	
Frequency Aging Absolute Value during the First Year	ppm/yr	-	10	-
Package type & size				
Length x Width	mm²	-	3.8 x 3.8	-
Height	mm	-	1.35	1.5
Pin Out				
Input	2	**Output**	5	
To Be Grounded	1, 3, 4, 6			

Notes :

(1) Typical values are nominal performances at room temperature

(2) External matching circuit is required (see drawing hereunder)

50 Ω / 50 Ω CONFIGURATION



C = 13 pF and L = 3.0 nH. These components values have to be adjusted to the customer PC Board, due to parasitics inductors and capacitors.

Maximum Ratings

Rating		Unit	Value
Operating Temperature Range	T_A	-10 to +60	°C
Storage Temperature Range	T_{stg}	-45 to +85	°C
DC Voltage	V_{DC}	12	V
Input Power		18	dBm

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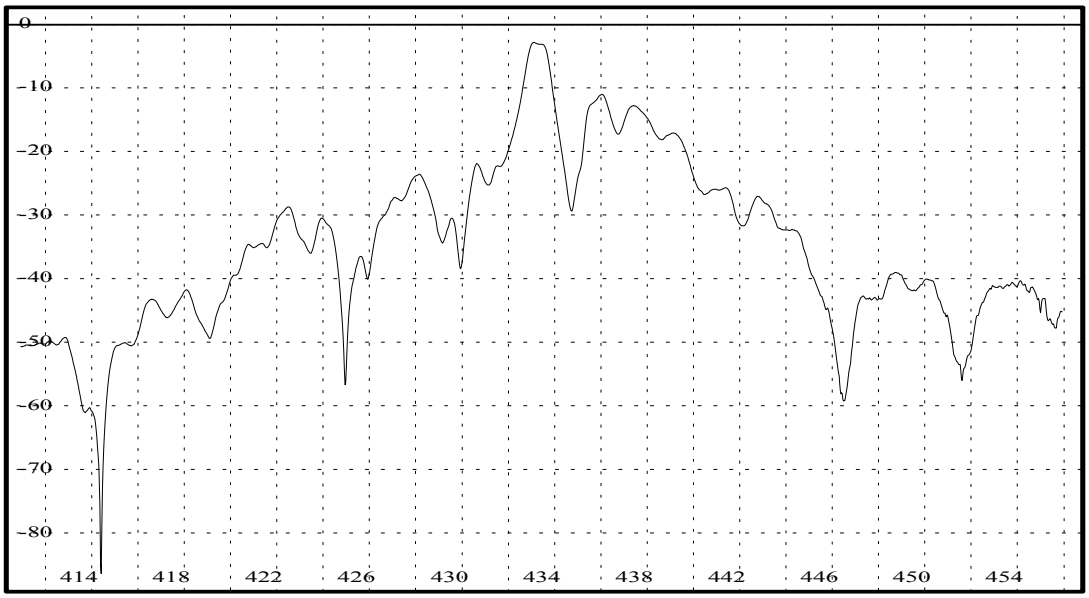
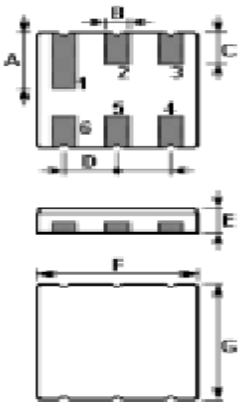
TYPICAL S21 RESPONSE



PACKAGE DRAWING



Pin	Configuration
2	Input
5	Output
1,3,4,6	Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.9	E	1.2
B	0.64	F	3.8
C	1.0	G	3.8
D	1.27		