

## SDL74A – SAW delay line

**This product is lead-free in compliance with RoHs 2002/95/EC.**

### Test Conditions:

RF power	0 dBm
Temperature	23 °C
Terminating source impedance (Z <sub>S</sub> ):	50 Ω
Terminating load impedance (Z <sub>L</sub> ):	50 Ω

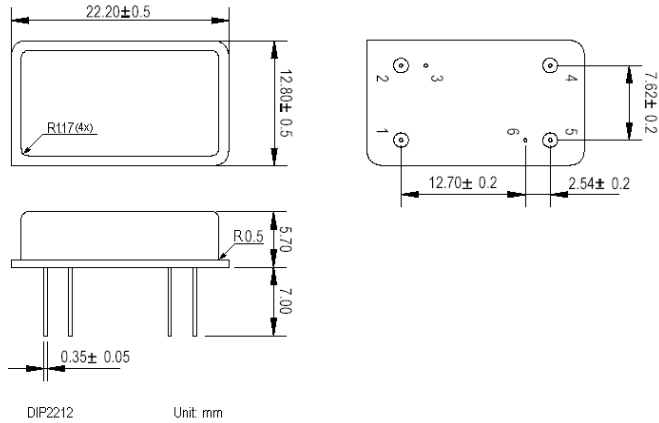
	minimum	typical	maximum	unit
Centre frequency		74		MHz
Pass Band	69		79	MHz
Insertion Loss in Pass Band	20	21.5	23	dB
Rejection				
DC – 45 MHz	55			dB
45 MHz – 105 MHz	20			dB
105 MHz – 140 MHz	55			dB
140 MHz – 320 MHz	47			dB
320 MHz – 620 MHz	65			dB
620 MHz – 2500 MHz	50			dB
Group delay variation over frequency 69 ... 79MHz	-50		+50	ns
delay	1.55	1.6	1.65	µs
cross talk			-60	dB
multireflection			-60	dB
input and output matching passband		-2.7	-2.3	dB
Operating temperature range	-30		+80	°C
Storage temperature range	-45		+85	°C
Temperature coefficient of frequency			94	ppm/K
Power			25	dBm

**Electrostatic Sensitive Device**

**Connections:**

- 1 Input Ground
- 2 Input
- 3 Ground
- 4 Output Ground
- 5 Output
- 6 Ground

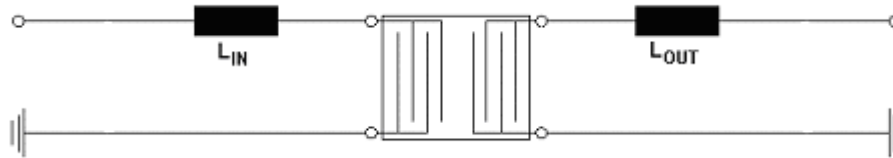
**Package: D2212**



**Matching network to 50 Ω: <sup>1)</sup>**

$L_{IN}$ : 105nH

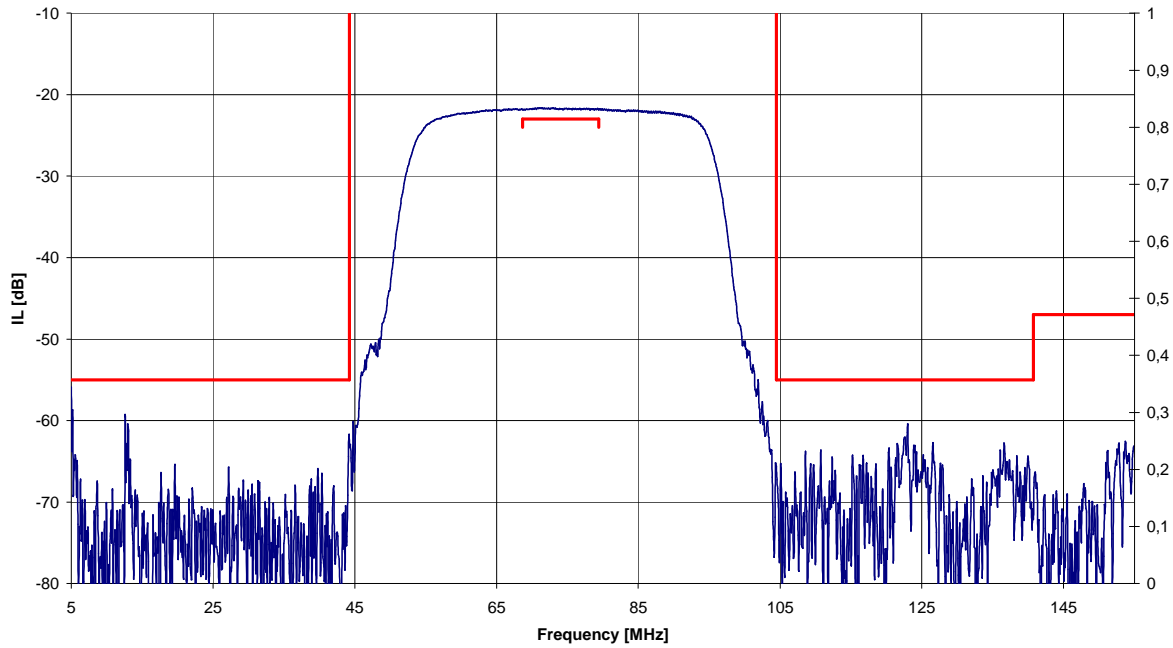
$L_{OUT}$ : 105nH



<sup>1)</sup> Matching elements are based on circuit with ideal components.  
 Matching values may vary due to PCB layout and real components.

**Typical performance:**

S21 measurement SDL74A



return loss measurement SDL74A

