

Reference level for the relative attenuation a_{rel} of the DW9274 is the insertion loss. The insertion loss a_e is defined as the insertion loss at the nominal frequency f_N . The centre frequency f_c is the arithmetic mean value of the upper and lower frequencies at the 3 dB filter attenuation level relative to the insertion loss a_e . The temperature coefficient of frequency T_{cf} is valid both for the reference frequency f_c and the frequency response of the filter at the operating temperature. The frequency shift of the filter at the operating temperature not included in the production tolerance scheme.

FEATURES

- 92.025MHz Centre Frequency (fo)
- Insertion Loss 3dB (Typ)
- 3dB Bandwidth 30kHz (Min)
- Quartz Temperature Stability

ABSOLUTE MAXIMUM RATINGS

DC Voltage VDV	0V
Maximum Input Level	0dBm

ORDERING INFORMATION

Order as: **DW9274**

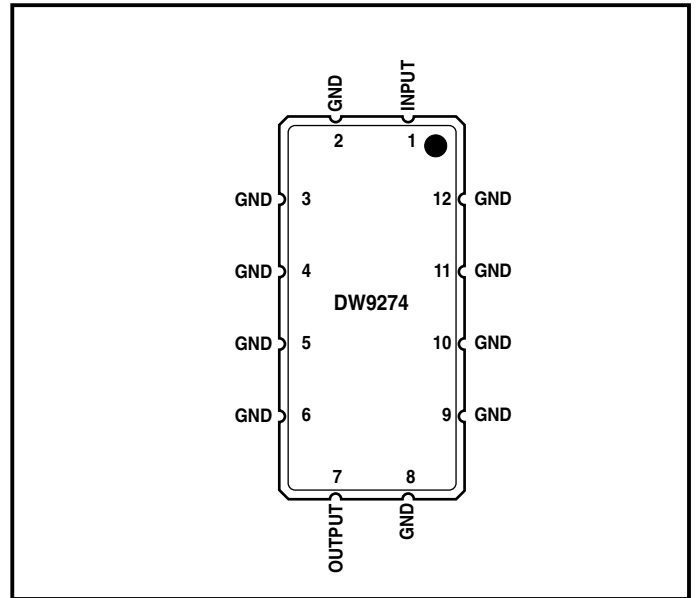


Fig. Pin connections

ELECTRICAL SPECIFICATION @23°C

Parameter	Symbol	Typical Value	Max. Limit/ Toerance	Units
Insertion loss (Reference level)		3.0	4.0 max	dB
Nominal frequency (at ambient temperature)		-	92.025	MHz
Centre frequency (at ambient temperature)	f_c	92.025	-	MHz
Pass band		-	$f_c \pm 0.015$	MHz
Pass band ripple		0.5	1.0 max	dB
Bandwidth	BW	-	3	dB
3dB		63	30 min	kHz
Relative attenuation	a_{rel}			
$f_c \pm 50$ kHz ... $f_c \pm 100$ kHz		-	5.0	dB
$f_c + 100$ kHz ... $f_c + 200$ kHz		-	35.0	dB
$f_c + 200$ kHz ... $f_c + 500$ kHz		-	25.0	dB
$f_c + 500$ kHz ... $f_c + 1,0$ MHz		-	40.0	dB
$f_c - 100$ kHz ... $f_c - 300$ kHz		-	35.0	dB
$f_c - 300$ kHz ... $f_c - 900$ kHz		-	60.0	dB
$f_c - 900$ kHz ... $f_c - 920$ kHz		-	70.0	dB
$f_c - 920$ kHz ... $f_c - 1,0$ MHz		-	60.0	dB
Group delay ripple (within PB)		-	4 max	μ s
Input power level		-	0	dBm
Operating temperature range		-	+65	°C
Storage temperature range		-	+85	°C
Temperature coefficient	T_{cf}	-	-	

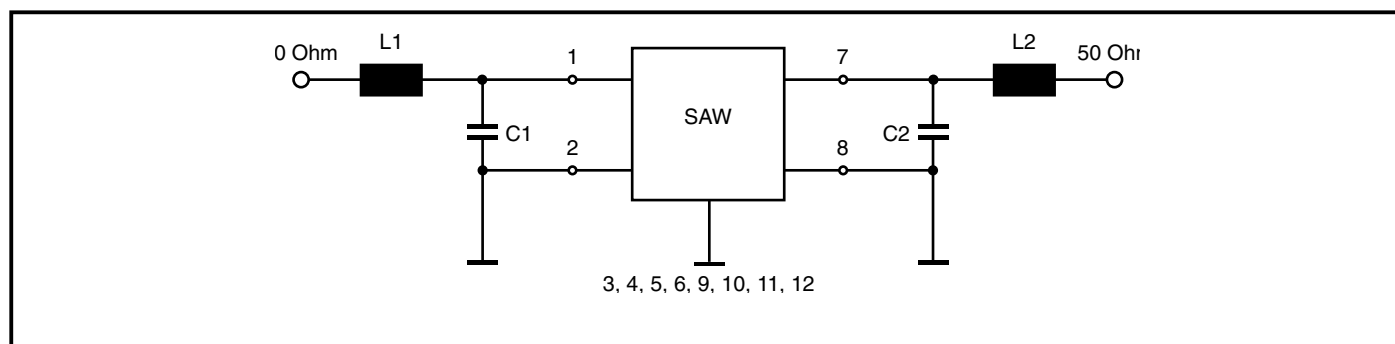
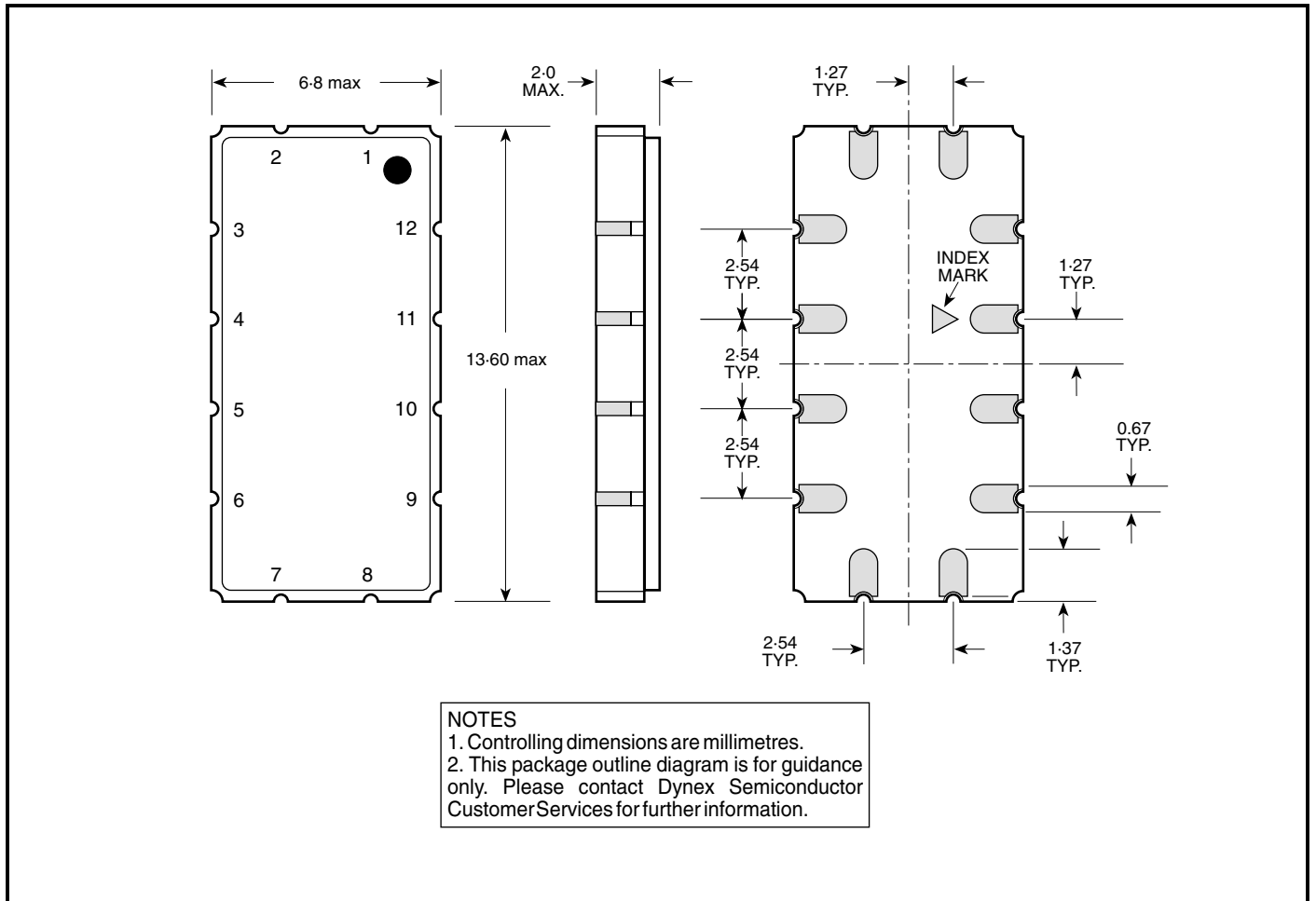


Figure 2: 50Ω Test Circuit

PACKAGE DETAILS

Dimensions are shown thus: mm (in). DO NOT SCALE. For further package information, please contact Customer Services.


Figure 3 Package outline details



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- T:-** Target information is the most tentative form of information and represents a very preliminary specification. No actual design work on the product has been started.
- P:-** Preliminary information represents the product as it is understood but details may change as the product is in design and development.
- A:-** Advance information denotes the product design is complete and final characterisation for volume production is well in hand.
- F:-** The product parameters are fixed and the product is available to datasheet specification.

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