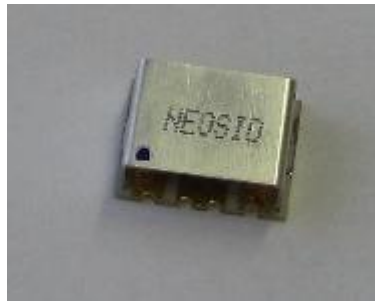


Directional Coupler SM – Tx, 7 dB, 30 – 512 MHz, 50Ω

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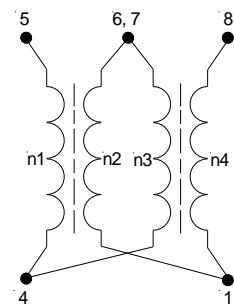
Efficiency: 5 W
Operating temperature range: -40°C bis +85°C
Weight appr. 1.5 g
Soldering heat resistance: 260°C, 10 sec.



Applications:

- VHF/UHF receivers
- celular

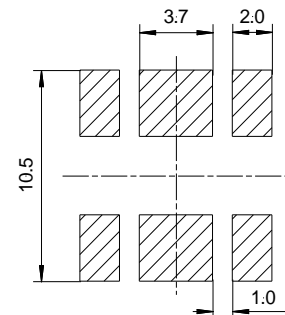
Circuit



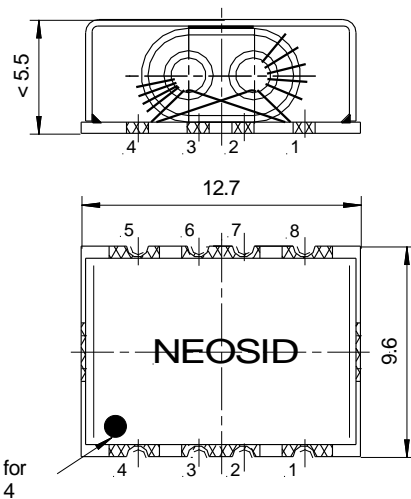
Pin assignment: 50 Ω:

In = 4; Out = 5;
Coup=1; Terminal (50Ω) = 8;
Ground = 6, 7.

Recommended pad pattern

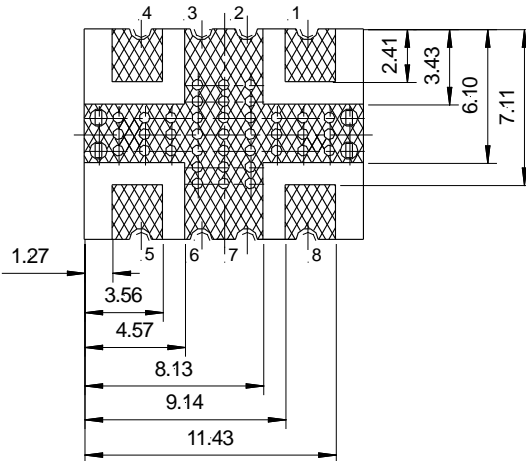


Layout recommendation,
tolerancy: ±0.05



Marking for terminal 4

Bottom view



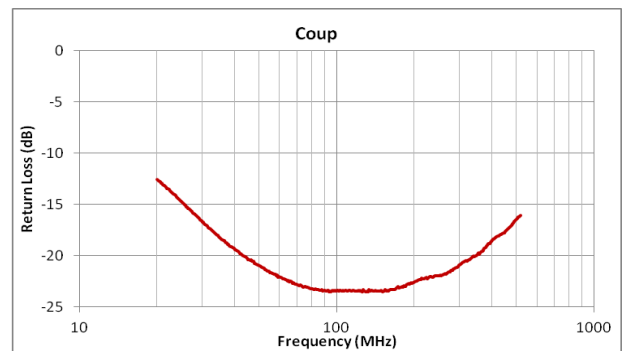
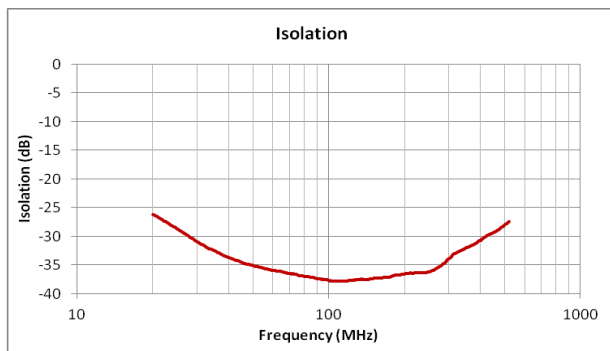
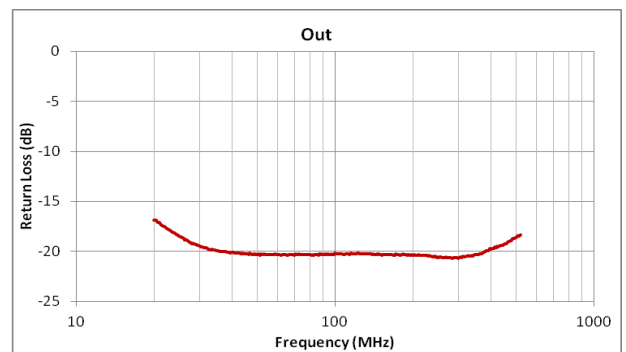
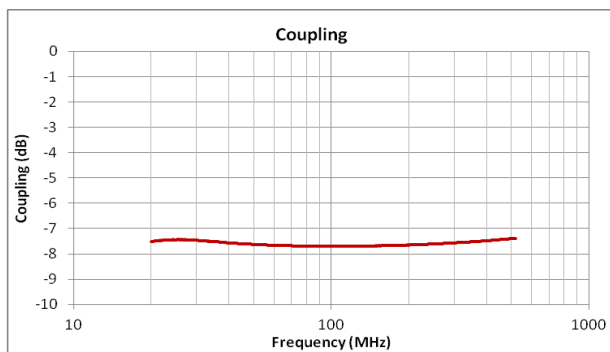
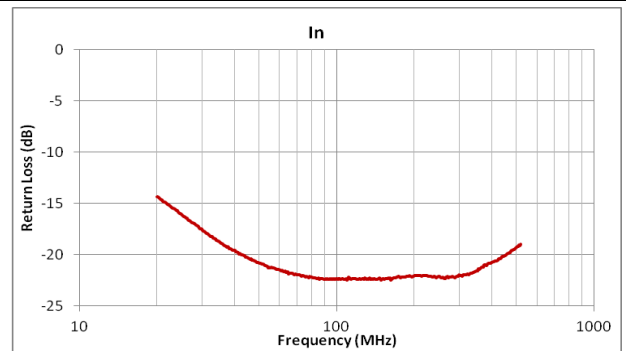
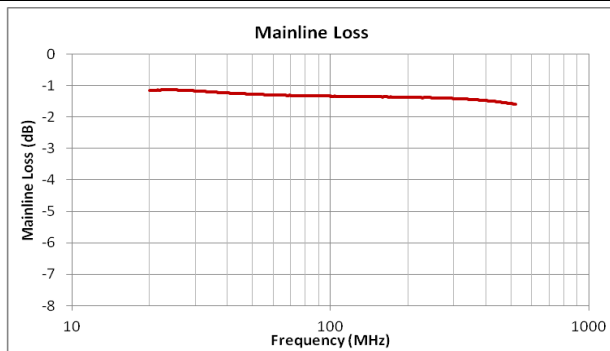
Electrical Data:

Terminal- No.:	Insertion loss [dB] at f [MHz]			Remark
	30	200	512	
4 – 1	7,3±0,4	7,3±0,4	7,3±0,4	Coupling loss
4 – 5	< 1,6	< 1,6	< 1,9	Mainline loss
4 – 8	> 30	> 30	> 25	Isolation
1/4/5	> 15	> 18	> 15	Return loss at all ports

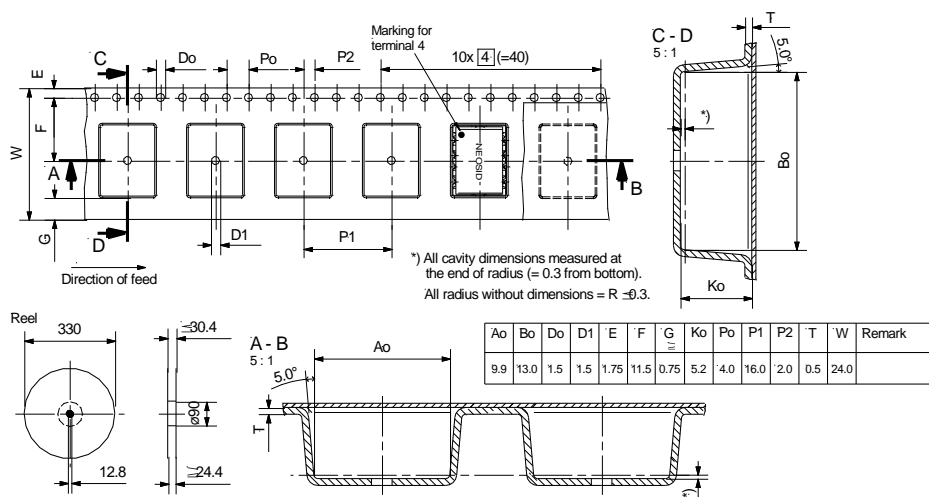
Alle Angaben ohne Gewähr. Irrtümer und Änderungen vorbehalten. No responsibility is taken for the correctness. Errors and changings reserved.

Directional Coupler SM – Tx, 7 dB, 30 – 512 MHz, 50Ω

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Touchstone data files are to find under www.neosid.de.
Packaging: Blisterpack, unit = 800 pcs. / reel.



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