

Magnetically Compensated SMD Choke, compact



**Description**

- Current compensated choke
- SMD-terminals
- Inductor vertically positioned in housing

**Standards**

- EN 60938

**Applications**

- Attenuation of common mode interferences
- Designed for 230/400 VAC applications
- Chopper amplifiers
- DC drives and stepper motor controls
- Switching power supplies

**References**

[General Product Information](#)

**Weblinks**

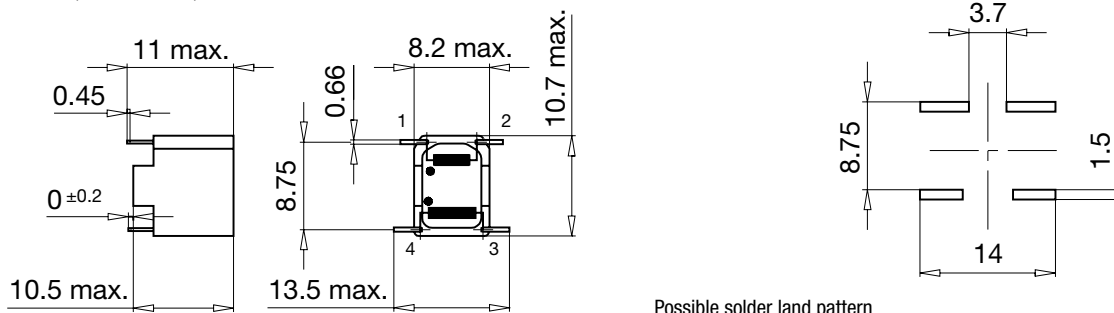
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [Distributor-Stock-Check](#)

**Technical Data**

Rated voltage	up to 250 VAC	Test Voltage	1.5kV, 50Hz, 1 min, winding to winding
Rated Current	0.5 - 2 A @ Ta 40 °C	Isolation Voltage	2kV eff., winding to ambient
Rated inductance	0.5 - 4.0 mH, Tol. -30% +50%	Climatic Category	25/100/21 acc. to IEC 60068-1
Power Operating Frequency	50 - 400Hz	Allowable Operation Temp.	-25 °C to 100 °C
Terminal technic	SMD		
Weight	1 g		
Material: Housing	UL 94V-0		
Sealing Compound	UL 94V-0		

**Dimensions**

Case 48-2S (SMD-Version)



Possible solder land pattern

**Variants**

$I_n$ [A]	$L_n$ [mH]	$R_{cu}$ [mΩ]	Tripped Power Dissipation [W]	$f_{RES}$ [MHz]	Weight [g]	Housing	Packing unit [pcs.]	Order Number
0.5	4	500	0.25	1.2	1	48-2S	176	DKFS-6248-D504
0.9	2	240	0.39	1.6	1	48-2S	176	DKFS-6248-0102
2	0.5	50	0.4	4.5	1	48-2S	176	DKFS-6248-02D5