

# ILC0402ER6N8K Datasheet



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DiGi Electronics Part Number	ILC0402ER6N8K-DG
Manufacturer	<a href="#">Vishay Dale</a>
Manufacturer Product Number	ILC0402ER6N8K
Description	FIXED IND 6.8NH 250MA 320MOHM SM
Detailed Description	6.8 nH Unshielded Multilayer Inductor 250 mA 320m Ohm Max 0402 (1005 Metric)



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## Purchase and inquiry

**Manufacturer Product Number:**

ILC0402ER6N8K

**Series:**

ILC-0402

**Type:**

Multilayer

**Inductance:**

6.8 nH

**Current Rating (Amps):**

250 mA

**Shielding:**

Unshielded

**Q @ Freq:**

8 @ 100MHz

**Ratings:**

-

**Inductance Frequency - Test:**

100 MHz

**Package / Case:**

0402 (1005 Metric)

**Size / Dimension:**

0.039" L x 0.020" W (1.00mm x 0.50mm)

**Manufacturer:**

Vishay Dale

**Product Status:**

Active

**Material - Core:**

Ceramic

**Tolerance:**

±10%

**Current - Saturation (Isat):**

-

**DC Resistance (DCR):**

320mOhm Max

**Frequency - Self Resonant:**

3.9GHz

**Operating Temperature:**

-40°C ~ 105°C

**Mounting Type:**

Surface Mount

**Supplier Device Package:**

0402 (1005 Metric)

**Height - Seated (Max):**

0.024" (0.60mm)

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8504.50.8000

**Moisture Sensitivity Level (MSL):**

1 (Unlimited)

**ECCN:**

EAR99



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