

## Type EC46 (1.2 ~ 33)miliH

- # Ferrite core
- # High Q
- # High S.R.F.
- # Small case
- # Epoxy coated

The type EC46 axial inductors are manufactured using high performance ferrite material resulting in small high Q components from (1.2 ~ 33)miliH. Unique wire to ferrite terminations provide excellent mechanical strength and the product is epoxy coated for maximum protection against humidity. Available loose, taped and reeled or 'ammo' packed with standard or custom lead preforms to facilitate production assembly.

### Electrical specification

Case style	EC46 miniature axial
Range	(1.2 ~ 33)miliH
Marking	Standard four colour code
Temperature range	(-20 +100)°C, based on max. ambient temp. rating at +80°C and max. temp. rise of +20°C during operation
Voltage rating	250V r.m.s. max.
Current rating	Based on max. permissible temp. rise during operation
Lead tensile strength	1.0Kg min.
Lead bending strength	0.3Kg min.
Moisture resistance	mH ±5% max., Q ±20% max., relative humidity 90% ~ 95%, +40°C, 24 hours

### Marking

Four colour bands are used to indicate value and tolerance using standard colour codes as follows:

Colour	Value	Multiplier	Tolerance
Black	0	1	
Brown	1	10	
Red	2	100	
Orange	3	1000	
Yellow	4		
Green	5		
Blue	6		
Violet	7		
Grey	8		
White	9		
Black			±20%
Silver		0.01	±10%
Gold		0.1	±5%

### Standard values

TFC Part No.	miliH ±10%	Q min.	Test Freq. kHz	Ω d.c. max.	I d.c. max. mA
EC46-122K	1.2	50	252	9	75
EC46-152K	1.5	50	252	10	69
EC46-182K	1.8	50	252	11	60
EC46-222K	2.2	60	252	14	58
EC46-272K	2.7	60	252	18	52
EC46-332K	3.3	50	252	22	48
EC46-392K	3.9	50	252	26	45
EC46-472K	4.7	50	252	30	40
EC46-562K	5.6	60	252	34	37
EC46-682K	6.8	60	252	45	34
EC46-822K	8.2	60	252	60	31
EC46-103K	10	60	79.6	70	28
EC46-123K	12	75	79.6	82	24
EC46-153K	15	75	79.6	89	22
EC46-183K	18	75	79.6	140	14
EC46-223K	22	75	79.6	170	12
EC46-253K	25	70	79.6	185	11
EC46-273K	27	70	79.6	210	9.5
EC46-303K	30	70	79.6	240	8.5
EC46-333K	33	70	79.6	250	8.0

### Dimensions(mm) and identification

