

EC 22 TYPE

High- Performance ferrite cores with a special structure are used in the EC22 type. Therefore, these ultra miniature lightweight conformal coated inductors allow inductance values up to 1.00 uH.

FEATURES

- (1) Small, lightweight design.
- (2) Special magnetic core structure contributes to high-Q and self-resonant frequencies.
- (3) Low distributed capacity.
- (4) Treated with epoxy resin coating for humidity resistance to ensure longer life.
- (5) Heat-resistant adhesives and special structural design for effective open-circuit measurement.

ORDERING INFORMATION

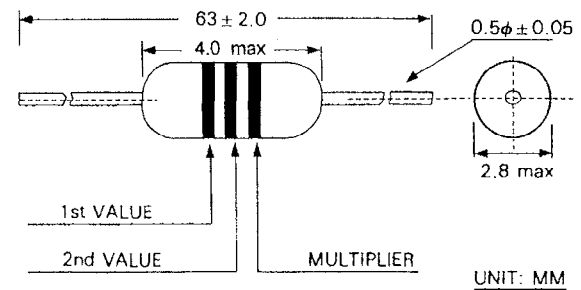
EC 22 - 330 K - T5
 (1) (2) (3) (4) (5) (6)

- (1) TYPE
- (2) STYLE
- (3) INDUCTANCE
- (4) TOLERANCE
- (5) TAPING OR FORMING
- (6) IF YOU NEED "AMMO PACK", PLEASE ADD "A"

CHARACTERISTICS

Style Axial lead type
 Temperature rise 20°C
 Ambient temperature 80°C
 Rated temperature range -20°C to +100°C
 Dielectric withstanding voltage 250 Vr. m. s.
 Rated current Based on temperature rise
 Terminal tensile strength 1.0 kg min.
 Terminal bending strength 0.3 kg min.
 Moisture resistance characteristic.
 $\Delta L/L \leq \pm 5\%$, $\Delta Q/Q \leq \pm 20\%$

COLOR CODE



Color code	Significant figure	Multiplier
Black	0	1
Brown	1	10
Red	2	10
Orange	3	1000
Yellow	4	—
Green	5	—
Blue	6	—
Violet	7	—
Gray	8	—
White	9	—
Black	—	—
Silver	—	0.01
Gold	—	0.1

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PARTNO.	INDUTANCE (uh)	INDUTANCE TOLERANCE	QUALITY FACTOR (MIN).	TESTING FREQ (MHz)	S.R.F (MHz) MIN.	DC RESISTANCE (n)MAX	RATED DC CURRENT (mA)MAX	
EC22-RO27M-CC	0.027	M(±20%)	40	50.0		0.015	1000	
EC22-RO33M-CC	0.033					0.019	1000	
EC22-RO39M-CC	0.039					0.023	1000	
EC22-RO47M-CC	0.047					0.028	1000	
EC22-RO56M-CC	0.056					0.032	1000	
EC22-RO68M-CC	0.068					0.037	1000	
EC22-RO82M-CC	0.082					0.058	1000	
EC22-R10M	0.10	M(±20%) [K(±10%)]	50	25.2	250	0.030	700	
EC22-R12M	0.12				230	0.035	660	
EC22-R15M	0.15				55	200	0.040	620
EC22-R18M	0.18					180	0.045	600
EC22-R22M	0.22					160	0.050	400
EC22-R27M	0.27					150	0.065	380
EC22-R33M	0.33				50	150	0.075	370
EC22-R39M	0.39					150	0.080	350
EC22-R47M	0.47				60	150	0.085	330
EC22-R56M	0.56					150	0.090	320
EC22-R68M	0.68					120	0.10	310
EC22-R82M	0.82				50	110	0.15	290
EC22-1R0M	1.0					110	0.22	270
EC22-1R2M	1.2					100	0.30	260
EC22-1R5M	1.5					80	0.35	250
EC22-1R8M	1.8				40	65	0.45	240
EC22-2R2M	2.2					55	0.55	230
EC22-2R7M	2.7			50	0.60	220		
EC22-3R3K	3.3	K(±10%) [J(±5%)]		7.96	42	0.65	210	
EC22-3R9K	3.9				38	0.85	200	
EC22-4R7K	4.7				45	34	1.00	190
EC22-5R6K	5.6					32	1.15	180
EC22-6R8K	6.8					27	1.20	175
EC22-8R2K	8.2				40	26	1.25	165
EC22-100K	10					24	1.50	160
EC22-120K	12					19	2.20	150
EC22-150K	15				50	18	2.50	145
EC22-180K	18					17	2.80	140
EC22-220K	22					16	3.00	130
EC22-270K	27					14	3.50	80
EC22-330K	33				55	13	3.80	76
EC22-390K	39					12	4.20	74
EC22-470K	47					11	5.80	70
EC22-560K	56				50	10	6.40	68
EC22-680K	68					9.5	7.20	64
EC22-820K	82					9.0	8.50	46
EC22-101K	100					7.2	11	44
EC22-121K	120					6.5	19	42
EC22-151K	150			6.0	22	39		
EC22-181K	180			5.2	24	37		
EC22-221K	220			4.5	28	35		
EC22-271K	270			3.5	29	28		
EC22-331K	330		30	3.0	30	26		
EC22-391K	390			2.7	32	25		
EC22-471K	470			2.6	35	24		
EC22-561K	560			2.5	40	23		
EC22-681K	680			2.2	42	22		
EC22-821K	820			2.1	46	21		
EC22-102K	1000			2.0	52	20		