

ALT45 TB SERIES



<http://www.abco.co.kr>

Electrical Characteristics

Customer part No.	Ordering code	Inductance [μH]	Inductance Tolerance (%)	Q (min.)	L/Q Test Freq. [MHz]	SRF [MHz] (Typ.)	RDC [Ω] (max.)	IDC1 [mA] (max.)	IDC2 [mA] (max.)
	ALT45 ○○ 1R0K	1.0	±10%	20	7.96	210	0.036	5200	3300
	ALT45 ○○ 1R2K	1.2		20		220	0.039	5000	3200
	ALT45 ○○ 1R5K	1.5		20		200	0.041	4300	3000
	ALT45 ○○ 1R8K	1.8		20		115	0.048	3700	2800
	ALT45 ○○ 2R2K	2.2		20		80	0.054	3450	2700
	ALT45 ○○ 2R7K	2.7		15		45	0.058	3000	2500
	ALT45 ○○ 3R3K	3.3		20		40	0.066	2700	2400
	ALT45 ○○ 3R9K	3.9		15		33	0.072	2550	2300
	ALT45 ○○ 4R7K	4.7		15		28	0.079	2350	2200
	ALT45 ○○ 5R6K	5.6		15		25	0.089	2300	2100
	ALT45 ○○ 6R8K	6.8		20	22	0.097	2100	2000	
	ALT45 ○○ 8R2K	8.2		15	21	0.110	1800	1900	
	ALT45 ○○ 100K	10		25	19	0.140	1700	1800	
	ALT45 ○○ 120K	12		25	17	0.170	1470	1450	
	ALT45 ○○ 150K	15		25	15	0.190	1300	1430	
	ALT45 ○○ 180K	18		20	10	0.240	1250	1300	
	ALT45 ○○ 220K	22		20	10	0.280	1150	1220	
	ALT45 ○○ 270K	27		25	11	0.330	840	1130	
	ALT45 ○○ 330K	33		20	9.0	0.370	870	1080	
	ALT45 ○○ 390K	39		20	9.5	0.470	870	900	
	ALT45 ○○ 470K	47		20	8.0	0.520	830	870	
	ALT45 ○○ 560K	56		20	7.5	0.750	750	710	
	ALT45 ○○ 680K	68		20	6.8	0.780	690	700	
	ALT45 ○○ 820K	82		20	6.3	0.920	620	640	
	ALT45 ○○ 101K	100		30	5.2	1.2	590	630	
	ALT45 ○○ 121K	120		35	5.0	1.6	510	490	
	ALT45 ○○ 151K	150		35	5.0	1.8	460	470	
	ALT45 ○○ 181K	180		35	3.8	2.3	400	450	
	ALT45 ○○ 221K	220		35	3.6	2.9	370	425	
	ALT45 ○○ 271K	270		35	3.2	3.4	330	355	
	ALT45 ○○ 331K	330		35	2.9	3.6	310	330	
	ALT45 ○○ 391K	390		35	2.6	4.97	280	280	
	ALT45 ○○ 471K	470		35	2.5	6.3	250	240	
	ALT45 ○○ 561K	560		35	2.4	7.0	240	240	
	ALT45 ○○ 681K	680		35	2.1	7.8	210	220	
	ALT45 ○○ 821K	820		35	1.9	11.0	190	210	
	ALT45 ○○ 102K	1000		50	1.8	13.2	170	170	
	ALT45 ○○ 122K	1200		50	1.5	17.0	150	150	
	ALT45 ○○ 152K	1500		45	1.4	22.0	130	140	
	ALT45 ○○ 182K	1800		50	0.9	27.0	120	120	
	ALT45 ○○ 222K	2200	50	1.0	36.0	110	110		
	ALT45 ○○ 272K	2700	50	0.90	50.0	90	90		
	ALT45 ○○ 332K	3300	50	0.80	65.0	80	75		
	ALT45 ○○ 392K	3900	50	0.75	69.0	65	75		
	ALT45 ○○ 472K	4700	50	0.74	80.0	70	65		
	ALT45 ○○ 562K	5600	45	0.62	90.0	70	60		
	ALT45 ○○ 682K	6800	50	0.70	100.0	65	50		
	ALT45 ○○ 822K	8200	40	0.50	125.0	60	50		
	ALT45 ○○ 103K	10000	20	0.0796	0.45	155.0	50	45	

-○○Please specify the taping configuration code.

=-Tolerance(□) : K = ±10%

▼ Test Equipments

. Inductance/Q measured : HP4285A LCR METER+42851A PRECISION Q ADAPTER or equivalent

. Rdc : HIOKI 3540 mΩ HiTESTER or equivalent

. IDC1 : HP4284A 20HZ-1MHZ PRECISION LCR METER+Agilent 42842A BIAS CURRENT TEST FIXTURE

. IDC2 : Agilent 6692A 0-60V/0-110A SYSTEM DC POWER SUPPLY + YOKOGAWA DR130 HYBRID RECORDER

(※ Rated DC current refers to the lower of Idc1 and Idc2.)

. SRF : Agilent 4294A RECISION IMPEDANCE ANALYZER+Agilent 16092A SPRING CLIP FIXTURE

▼ Operating Temperature Range

-25°C ~ +105°C (including self temp. rise)