

Engineering/Process Change Notice

ECN/PCN No.: 3681

For Manufacturer									
Product Description:		Abracon Part Number / Part Series:		es:		⊠ Serie	:S		
LOW ESR, LOW CL CERAMIC SMD CRYST	TAL	ABM11W					☐ Part	Number	
Affected Revision:	New F	New Revision:				Application: ☐ Safety		ty	
D		E					⊠ Non-	Safety	
Prior to Change:									
Electrical Specifications	3.61				TT .		,		
Equivalent series resistance (R1) (over -40°C to +125°C)	Minimum		Typical	Maximum	Unit		otes		
			< 150	200		16.0000 – 1			
			< 80	120	_	18.0000 - 20			
			< 60	100	Ω	21.0000 - 29			
			< 50	80	_	30.0000 - 3			
			< 30	60		38.0000 – 50	0.0000MHz		
After Change:									
Electrical Specifications									
Parameters	Minim	um	Typical	Maximum	Uni	ts No	tes		
			< 150	200	_	16.0000 - 1	7.9999MHz		
Equivalent series resistance "R1"			< 80	120	_	18.0000 - 20	0.9999MHz		
(over Operating Temperature Range) (CL=4pF)			< 60	100	Ω	21.0000 - 29			
			< 50	80	_	$30.0000 - 3^{\circ}$	7.9999MHz		
			< 30	60		38.0000 - 50	0.0000MHz		
Equivalent series resistance "R1" (over Operating Temperature Range (CL=6pF, 7pF, 8pF)			< 120	150		16.0000 - 1	7.9999MHz		
			< 80	120		18.0000 - 20	0.9999MHz		
			< 60	100	Ω	21.0000 - 23	3.9999MHz		
			< 30	50		24.0000 - 29	9.9999MHz		
			< 30	50		$30.0000 - 3^{\circ}$	7.9999MHz		
			< 30	40	1	38.0000 - 50	0.0000MHz		
	<u>'</u>			•	•	•			
Course /Doogson for Change									
Cause/Reason for Change: Abracon improved product electric	al performa	ance i	for the cry	ıstal Equivale	nt Seri	ies Resistance (R1) naramete	or	
The rader improved product creating	ar porrorme	21100	Change	•	111 001	ios itosistanos (itt) paramote	, , , , , , , , , , , , , , , , , , ,	
Effective Date:	Δdditi	ional							
10/05/2020	Additional Remarks:								
Change Declaration:									
All previous (initial release thro	ough revisio	n D) /	Abracon sh	nipments com	ply wi	th revision E of t	the ABM11W	datasheet.	
All product delivered after the datasheet.	ne below p	ublish	ned effect	ivity date sh	nall co	mply with revi	sion E of the	e ABM11W	
Issued Date: 10/05/2020	Issued	Issued By:				Issued Department:			
Approval:	Appro	Approval:				Approval:			

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For Abracon EOL only								
Last Time Buy (if applicable):		Alternate Part Number / Part Series:						
Additional Approval:	Additional Approva	il:	Additional Approval:					
Customer Approval (If Applicable)								
Qualification Status:								
☐ Approved ☐ Not accepted								
Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.								
Customer Part Number:		Customer Project:						
Company Name:	Company Represer	ntative:	Representative Signature:					
Customer Remarks:								

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