

Engineering/Process Change Notice

ECN/PCN No.: R0049

For Manufacturer									
Product Description:	Abracon Part Numbe	r / Part Series:	☐ Documentation only	☐ Series					
SMD 303.825MHz SAW Filter	AFS303.825E		☐ ECN	□ Part Number					
			⊠ EOL						
Affected Revision:	New Revision:		Application:	☐ Safety					
D	EO	L		□ Non-Safety					
Prior to Change:									
N/A									
After Change:									
EOL									
Cause/Reason for Change: Due to low demand this part is discontinue	-d								
2 2 2 13 13 11 demand this part is discontinue									
	Chang	e Plan							
Effective Date:	Additional Remarks:								
06/28/2021	N/A								
Change Declaration: EOL	'								
Issued Date:	Issued By:		Issued Department:						
06/28/2021	Nicholas El-Takach		Engineering						
Approval:	Approval:		Approval:						
Syed Raza	Reuben Qu		Ying Huang						
Engineering VP	Quality D		Purchasing Director						
	For Abraco	n EOL only							
Last Time Buy (if applicable): Alternate Part Number / Part Series:									
No last time buy.		N/A							
Additional Approval:	Additional Approval:		Additional Approval:						
	Customer Appro	val (If Applicable)							
Qualification Status:									
	☐ Approved ☐	Not accepted							
Note: It is considered approved if there is no	• •	•	r ECN/PCN is released.						
Customer Part Number:		Customer Project:							
		-							
Company Name:	Company Representative:		Representative Signature:						
Customer Remarks:									
Customer Hemarks.									

Form #7020 | Rev. G | Effective: 02/22/2021 |











SMD 303.825MHz SAW Filter

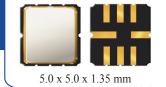
AFS303.825E

Moisture Sensitivity Level – MSL 1

FEATURES:

- Low Insertion Loss 3.0dB typical
- Compact SMD package 5.0 x 5.0 x 1.35mm
- Suitable for RoHS compliant reflow

(Ph) RoHS/RoHS II Compliant



> APPLICATIONS:

• Automotive Electronics/Remote Control

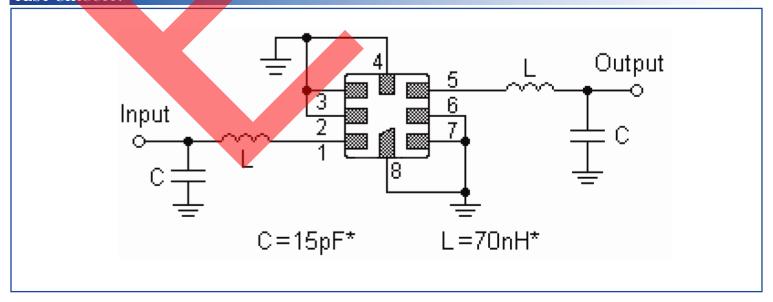
STANDARD SPECIFICATIONS:

Maximum Ratings

Item	Value			
Operating Temperature Range	-10° C to $+60^{\circ}$ C			
Storage Temperature Range	-40° C to $+85^{\circ}$ C			
DC Voltage	12V			
Input Power Level	10dBm			

Pa	rameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency	(f _c)		303.825		MHz	
3dB Pass Band (E	3W ₃)		600	900	kHz	
Insertion Loss (IL			3.0	4.5	dB	
Rejection		40	50		10	at 282.425 MHz (Image)
		20	30		dB	at 293.125 (LO)
			60			Ultimate
Temperature	Turnover Temperature (T _o)	25		55	°C	
	Turnover Frequency (f _o)		303.825		MHz	
	Frequency Temperature Coefficient (FTC)		0.032		ppm/°C ²	
Frequency Aging	fA		10		ppm/yr	Absolute value during the first year

> TEST CIRCUIT:





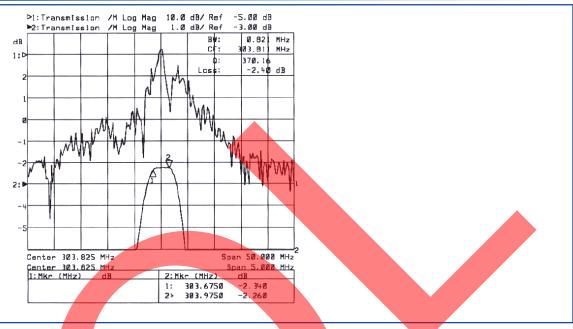


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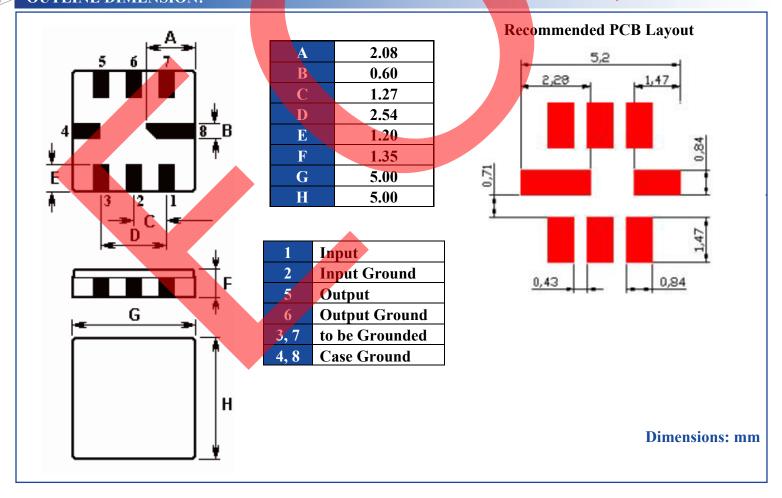




FREQUENCY CHARACTERISTICS



OUTLINE DIMENSION:





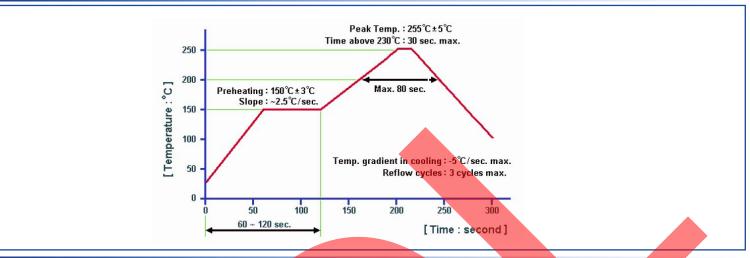


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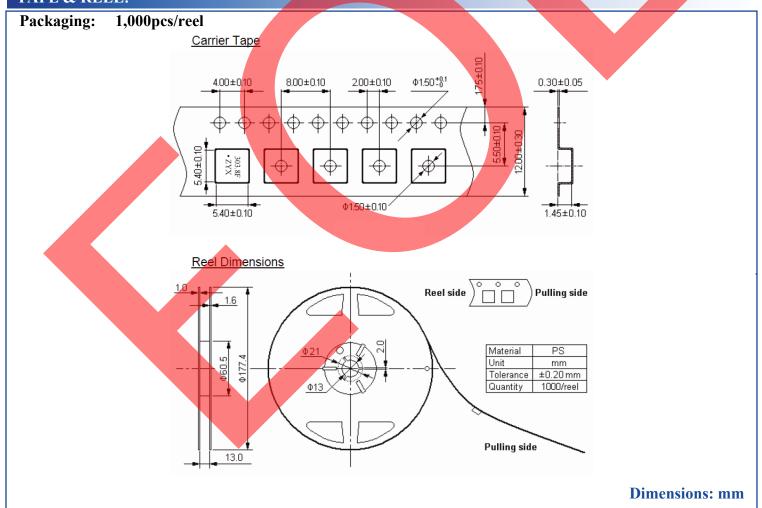




REFLOW PROFILE:



TAPE & REEL:



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