

ECN/PCN No.: 4292

For Manufacturer			
Product Description: Ceramic SMD Crystal Oscillator		Abrakon Part Number / Part Series: EA2532	
Affected Revision: D		New Revision: E	
		☐ Documentation only ☒ ECN ☐ EOL	☒ Series ☐ Part Number
		Application:	☐ Safety ☒ Non-Safety
Prior to Change: EA2532 Rev D			
Frequency Tolerance/Stability _____ A = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ B = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ C = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ D = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over -40°C to $+125^{\circ}\text{C}$ E = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ F = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ G = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ H = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over -40°C to $+125^{\circ}\text{C}$ J = $\pm 15\text{ppm}$ at 25°C , $\pm 30\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ K = $\pm 15\text{ppm}$ at 25°C , $\pm 30\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ L = $\pm 15\text{ppm}$ at 25°C , $\pm 30\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ N = $\pm 15\text{ppm}$ at 25°C , $\pm 20\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ P = $\pm 15\text{ppm}$ at 25°C , $\pm 20\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ Q = $\pm 15\text{ppm}$ at 25°C , $\pm 20\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ S = $\pm 10\text{ppm}$ at 25°C , $\pm 15\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ T = $\pm 10\text{ppm}$ at 25°C , $\pm 15\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ U = $\pm 10\text{ppm}$ at 25°C , $\pm 15\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ W = $\pm 10\text{ppm}$ at 25°C , $\pm 10\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ X = $\pm 10\text{ppm}$ at 25°C , $\pm 10\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ Y = $\pm 10\text{ppm}$ at 25°C , $\pm 10\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ Z = $\pm 10\text{ppm}$ at 25°C , $\pm 10\text{ppm}$ over -30°C to $+75^{\circ}\text{C}$			
After Change: EA2532 Rev E			
Frequency Tolerance/Stability _____ A = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ B = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ C = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ D = $\pm 50\text{ppm}$ at 25°C , $\pm 100\text{ppm}$ over -40°C to $+125^{\circ}\text{C}$ E = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ F = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ G = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ H = $\pm 30\text{ppm}$ at 25°C , $\pm 50\text{ppm}$ over -40°C to $+125^{\circ}\text{C}$ J = $\pm 15\text{ppm}$ at 25°C , $\pm 30\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ K = $\pm 15\text{ppm}$ at 25°C , $\pm 30\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ L = $\pm 15\text{ppm}$ at 25°C , $\pm 30\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ N = $\pm 15\text{ppm}$ at 25°C , $\pm 20\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ P = $\pm 15\text{ppm}$ at 25°C , $\pm 20\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ Q = $\pm 15\text{ppm}$ at 25°C , $\pm 20\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ S = $\pm 10\text{ppm}$ at 25°C , $\pm 15\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ T = $\pm 10\text{ppm}$ at 25°C , $\pm 15\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$ U = $\pm 10\text{ppm}$ at 25°C , $\pm 15\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ W = $\pm 10\text{ppm}$ at 25°C , $\pm 10\text{ppm}$ over 0°C to $+70^{\circ}\text{C}$ X = $\pm 10\text{ppm}$ at 25°C , $\pm 10\text{ppm}$ over -20°C to $+70^{\circ}\text{C}$			
Cause/Reason for Change: Updated electrical specifications due to production capabilities.			
Change Plan			
Effective Date: 11/30/2022		Additional Remarks:	

Change Declaration:		
Issued Date: 11/30/2022	Issued By: <i>Stephanie Lopez</i>	Issued Department: Engineering
Approval: <i>Thomas Culhane</i> Engineering Director	Approval: <i>Reuben Quintanilla</i> Quality Director	Approval: <i>Ying Huang</i> Purchasing Director
For Abracon EOL only		
Last Time Buy (if applicable): N/A	Alternate Part Number / Part Series: N/A	
Additional Approval:	Additional Approval:	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 Representative:	Representative Signature:
Customer Remarks:		