

Fox Part Number: 590A-16-1

3225 HCMOS +-20 PPM -10 to +70C 3.3V, Low-Current MODEL: O3HLBEE (Formerly F338A Series)

RoHS / REACH Compliant / Pb-Free

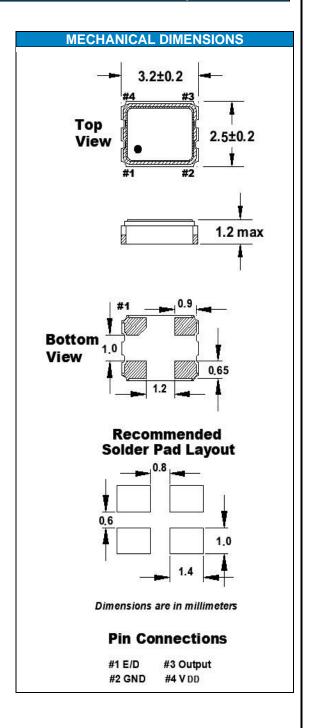
SPECIFICATIONS				
Parameter	Max (unless otherwise noted)			
Frequency	16.000 MHz			
Frequency Stability 1	±20.0 ppm			
Temperature Range Operating (T _{OPR}) Storage (T _{STG})	-10°C ~ 70°C -55°C ~ 125°C			
Supply Voltage (VDD)	3.3 V ±5%			
Input Current (IDD)	2.5 Max			
Output Symmetry (50% V _{DD})	45% ~ 55%			
Rise Time (10% ~ 90% V _{DD}) (T _R) Fall Time (90% ~ 10% V _{DD}) (T _F)	12 nS Max 12 nS Max			
Output Voltage (V _{OL}) (V _{OH})	<=0.1 Vdd >=0.9 Vdd			
Output Load (HCMOS)	15 Max			
Standby Current (See below for level)	10 μA Max			
Start-up Time (T _s)	5 Max			
Output Disable Time ²	150 nS Max			
Output Enable Time ²	5 mS Max			
Maximum Soldering Temp / Time	260°C / 10 Seconds x2			
Moisture Sensitivity Level (MSL) Per J-STD-033	N/A			
Termination Finish:	Au (0.3~1μm) over Ni (1.27~8.89μm)			
RoHS Compliant	Yes, no exemptions			
Lead (Pb) Free	Yes			
REACH Compliant (Latest Version)	Yes			

ENABLE/DIABLE FUNCTION ²				
E/D (PIN 1)	OUTPUT (PIN 3)			
OPEN ²	ACTIVE			
'1' Level VIH ≥ >=0.7 Vdd	ACTIVE			
'0' Level \/II < <-0.3 \/dd	High 7			

¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, shock, and vibration.

NOTE: A $0.01\mu F$ bypass capacitor should be placed between V_{DD} and GND to minimize power supply line noise.

Drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary.



NOTE: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies.

Reference / Comments	Title / Description: Product Description / Specifications		
Initial release	Drawing Number: DWG-XX	Size: A	
	Part Number: 590A-16-1	Cage : 61429	
	Draftsperson: XX Approved:	: XX Date: XX	
		Page 1 of 2	

² An internal pullup resistor from E/D to V_{DD} allows active output if E/D is left open.

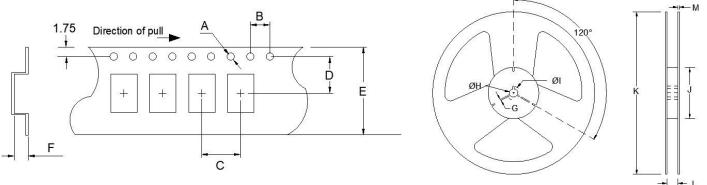


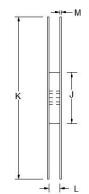
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Tape & Reel Specification

Tape Specifications (millimeters)						
Α	В	С	D	E	F	Reel Options
Ø1.5	4.0	4.0	3.5	8.0	1.4	-T1 = 1,000 -T2 = 2,000 -T3 = 3,000





Reel Specifications (millimeters)						
G	Н	I	J	K	L	М
2.0	Ø13	Ø21	Ø60	Ø180	9.0	1.2

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Reference / Comments	Title / Description: Pro	Title / Description: Product Description / Specifications			
Initial release	Drawing Number: DWG	Drawing Number: DWG-XX			
	Part Number: 590A-16-	Part Number: 590A-16-1			
	Draftsperson: XX	Approved: XX	Date: XX		
		Page 2	of 2		