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		raik, în î					51-007-5404							
			PR	ODL	JCI		NFOR	M/	ATIO	N				
PART #			CEPB418I160-324C28WR									Revision: 1-2011		
COMPLIANCE		Piezoelectric Buzzer												
DESCRIPTI	FEATURES													
Challenge Elec I type case (Fla Height, 3 to 2 Resonant Frequ Voltage and 10 Lead Free comp	ange M 4 Vdc ency, w cm, Wi liant	lounting a operation rith a minir re Leads	and TO a, <b>Cont</b> mum ou	P Sound tinuous T tput of 100	Port), <sup>2</sup> one, 2 dB(A)	1 <mark>6.0</mark> 2,800 at Ra	mm Hz • RoH ated • ISO		ead Free	e Con	npliant	Č,		
SPECIFICA	TION	<u>S</u>												
Sound Type			Continuous Tone				<b>Operating Volta</b>	ige	3.0 - 24	Vdc	Rated Volt	age 12	2.0 Vpp	
Resonant Frequency 2,80			± 300 Hz. Pulse Rate			± 50% per Second		I k	Maximum Current		t 18 mA	18 mA, at Rated Voltage		
Sound Pressure Level			100 dB(A), at: rated Voltage, 10 cm											
Operating Temperature			-20°C to + 60°C Storage Temperature -30°C to + 70°C											
Termination	ads, 24 AWG, UL 1007, 5.51" (50 mm) Long, Stripped 0.196" (5.0 mm) oded: RED = Positive; BLACK = Negative													
Material Encap		I type, Plastic, ABS or equal Diaphragm Brass Back Cover												
Sound Port Direction		Тор	-	Mounting		Fla	inge Mount witl	1 2 S	crews		Mounting H	ole Spacing	50.0 mm	
Physical Dimensions			Length or Diameter (L /D)			nm Ø			6.0 mm			ore spacing		
Approximate Weight			15 grams			Removable Washing Label		-	No	Com	pliance	RoHS, Lea	ad Free	
Options						- asie	i abiing have			0011	phanee	,		
RELIABILIT	Y	-1												
			240 hours continuous operation at Rated Voltage, at Maximum Rated Operating Temperature *											
Thermal Operating	g Temper	ature 1 est	240 hours continuous operation at Rated Voltage, at Minimum Rated Operating Temperature *											
Thermal Storage Temperature Test			240 hours storage at Maximum Rated Storage Temperatures *											
			240 hours storage at Minimum Rated Storage Temperatures *											
Thermal Shock Tes	5 cycles of Minimum and Maximum Operating Temperature, Each cycle shell be set per diagram below and is three (3) hours long *													
Humidity Test	240 Hours at +40°C±2°C. 90-95% RH *													
Insulation Test	A minimum of 10 M $\Omega$ , measured with 100 Vdc Insulation Resistance Meter, between the Electrical Terminals and the Transducer Case													
Vibration Test	2 Hours of at 1.5 mm with 10 to 55 Hz. vibration frequency to each of 3 perpendicular directions *													
<b>Termination Streng</b>	Maximum of 9.8 N (1.0 Kg) load pull test, applied to each terminal in axial direction for 10 seconds													
Drop Test	Dropped naturally from 750 mm height onto the surface of 40 mm wooden board, 3 axes (X,Y,Z) directions, 3 times (6 times total) *													
Solderability	Terminal leads are immersed in rosin for 5 seconds and then immersed in solder-bath of +270°C for 3±1 seconds													
Soldering Heat Res	Terminal leads are immersed, up to 1.5 mm from part case, in rosin for 5 seconds and then immersed in solder-bath of +350±5°C for 3±0.5 seconds or +260±5°C for 10±1 seconds													
Reliability Test Performance *			Parts should conform to original performance within ±3dB, after 3 hours of recovery period											
Operation Life Test		ontinuous	240 hours of continuous operation, at Rated Voltage, each at Minimum & Maximum Rated Operating Temperatures								ating			
		termittent	voitage							Rated				
Warranty			For a p	eriod of one	e (1) yeai	r from	date of shipping	g und	er normal c	operatio	ons conditior	าร		

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied,

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<b>DIMENSIONS</b> Units in: mm, Tolerance: ± 0.5	mm unless specified oth	erwise. SPL vs. FREQ	SPL vs. FREQUENCY RESPONSE					
	<u>5± 2</u> 140± 5			10(mA) 8 6 4 2 18(V)				
PACKAGING			I					
ONE TRAY:	TWO BUNDLE	MARKING	TRAY					
X1		Bundle	<b>X</b> 1					
		Customer PN	Dimensions Y1	15 cm				
		Other PN if required	Z1	8 cm				
		Quantity	Quantity	90				
ONE BUNDLE:		Lot and/or Date Code	BUNDI	.E				
		Bundle Number	X2	2				
TTEM: C/NO:	SHIPPING BOX	Shipping Box	Dimensions Y2					
MADE IN CH		Customer Part Number	Z2					
		Other PN (if required)	Quantity					
		Quantity	SHIPPING BOX					
MODEL		Lot and/or Date Code	X	50.5 cm				
TOP COVER G.W KG SIZE	X3 Y3	PO Number	Dimensions Y3	32 cm				
LOT NO	7	Net Weight	Z	30.5 cm				
		Gross Weighjt	Number of Bundles	10				
		Box Number	Quantity	900				
		of Number of Boxes	Approximate Weigh	t				
		Made in China						