

SCRIPTION THE HC-23765-000 IS A MAGNETIC BALANCED ARMATURE R					NO DAMPING				HC-23765-000 SHEET 2.1		
INSTRUMENTS. 1 ALL HC UNITS F NOTE: SPECIFIC	THE HC FAMILY ( HAVE SHOCK PRO CATIONS FOLLOW	OFFERS 6 dB HI	GHER OUTPU MODEL HAS ISK (*) AR	JT LEVEL LOW IMP	S IN THE EDANCE #	D FOR USE IN ITC / SAME SIZE PACK/ ND IS UNDAMPED.					
			·Ľ								
E											
ଣ୍ଲ											
01 10				+							
						1					
		_				) ر ا	<u> </u>				
				-							
SENSITIVITY IN dB RELATIVE CONDITIONS SHOWN BELOW 0.6 2.6 0.0 2.6 0.0 1.1 0.0 1.1 0.0 0 0 0 0 0 0 0 0 0 0							<u>г,</u>				
- TS 8H - 00							L				
ISN 85											
80											
100	2	3	4 5		8 9 1000	2	3	4 5 6	7 8 9	0	
ACOUSTICAL				F K E (	QUENCY I	CTRICAL					
SENSITIVITY*							200				
DEVICE WILL PRODUCE THE SPL LISTED BELOW WITH THE TES CONDITIONS DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY						ESISTANCE DANCE @ 500 Hz	20Ω ±10% 33Ω ±15%	*			
AT I KHZ IS dB RELATIVE TO 20µPa. ALL OTHER VALUES I dB RELATIVE TO THE SENSITIVITY AT I KHZ.					IMPE	DANCE @ I kHz	53Ω ±20%	*			
					INDUCTANCE @ 500Hz 9.5mH ±15%						
FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM	1	TABLE	CITANCE @ IO MHz	6pF ±20%				
100	+2.0	+5.0	+8.0								
250 500	+2.0 +1.5	+5.0 +3.0	+8.0	-		ATION: THE CASE W COIL CIRCUIT*	ILL BE ELECTE	GICALLY ISOL	AILU FROM		
1000	-1.5	101.0	+1.5								
		+8.0	$\neg$	MAGNETIC RADIATION WORST CASE: FIELD WILL BE LESS THAN LEVEL STATED BELOW							
4500-5500 PEAK TABLE I.	- 7.0				A	T AMPLIFIER CLIPP I34 dB re IµA/m DISTANCE OF 6.3			IVER		
						ANGLE OF 120 DE					
TOTAL HADNONIC DIG		HARMONIC DIST	ORTION LEV	ELS				×	Ì 20°	, \	
TOTAL HARMONIC DIS DEVICE WILL NOT LISTED BELOW.				0				$\backslash$			
DEVICE WILL NOT	DRIVE (V RMS)	DC BIAS (MA)	LIMIT (3	• /					700-	/	
DEVICE WILL NOT LISTED BELOW.	DRIVE (V RMS) 0.119 V	DC BIAS (MA)	LIMIT (X		ME	CHANICAL	ff				
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350	0.119 V 0.119 V	0	5 5			CHANICAL LOCATION: 12C				}	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900	0.119 V	0	5		PORT						
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500	0.119 V 0.119 V	0	5 5		PORT SOLDI TEMPI	LOCATION: I2C ER TYPE: SAC 305 ERATURE PERATING: SENSITI			THAN		
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500	0.119 V 0.119 V	0	5 5		PORT SOLDI TEMPI OI	LOCATION: I2C ER TYPE: SAC 305 ERATURE PERATING: SENSITI	B FROM -17°C		THAN		
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2.	0.119 V 0.119 V 0.336 V	000000000000000000000000000000000000000	5 5		PORT SOLDI TEMPI OI S	LOCATION: 12C ER TYPE: SAC 305 ERATURE PERATING: SENSITI +1/-3 d FORAGE: -40°C TO	B FROM -17°C		THAN	}	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω	0 0 0	5 5 10		PORT SOLDI TEMPI OI S RELIJ	LOCATION: 12C CR TYPE: SAC 305 CRATURE SERATING: SENSITI +1/-3 d TORAGE: -40°C TO ABILITY WILL SURVIVE	B FROM -17°C 63°C ANY OF THE F	TO 63°C	CELERATED	4	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394	000000000000000000000000000000000000000	5 5 10 .039) ID.		PORT SOLDI TEMPI OI S RELI, UI L	LOCATION: 12C ER TYPE: SAC 305 ERATURE PERATING: SENSITI +1/-3 d FORAGE: -40°C TO NBILITY NITS WILL SURVIVE IFE TESTS, REPORT	B FROM - I 7 °C 63 °C ANY OF THE F AVAILABLE FF	TO 63°C OLLOWING AC ROM QA DEPAR	CELERATED TMENT		
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE TUBING	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394	0 0 0 0 Vdc BIAS	5 5 10 .039) ID.		PORT SOLDI TEMPI OI S RELIJ L HJ HJ L C D TI S S	LOCATION: 12C ER TYPE: SAC 305 ERATING: SENSITI +1/-3 d TORAGE: -40°C TO ABILITY WILL SURVIVE IFE TESTS, REPORT ALT TEST (8 WEEKS IGH TEMPERATURE ST WM TEMPERATURE ST MM TEMPERATURE ST MM TEMPERATURE ST IGENTALSHOCK (-40 JOLDER/DESOLDER CY IGENTALSHOCK (-40 JOLDER/DESOLDER CY	B FROM - 17°C 63°C ANY OF THE F AVAILABLE FF TORAGE (-30°C, ORAGE (-40°C, (ALTERNATE 22 CLING (5 CYCL	TO 63°C OLLOWING AC ROM GA DEPAR RH, 0.83V, 5 72 HOURS) 72 HOURS) 5°C TO 63°C, 5°C YCLES) ES)	CELERATED TMENT 100 Hz SIGNAI		
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE TUBING COUPLER CAVITY	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394 2 CC SIMULATED	0 0 0 0 Vdc BIAS 0 LONG, I mm ( ) ANSI S3.7 TYPE H	5 5 10 .039) ID. A-3, (IEC 60	318-5)	PORT SOLDI TEMPI OI S RELI, UI L L L L L L L S S S S S S S M M	LOCATION: 12C ER TYPE: SAC 305 ERATING: SENSITI +1/-3 d TORAGE: -40°C TO ABILITY ITS WILL SURVIVE IFE TESTS, REPORT ALT TEST (8 WEEKS IGH TEMPERATURE ST IMP HEAT CYCLING IERMAL SHOCK (-40)	B FROM - 17°C 63°C ANY OF THE F AVAILABLE FF , 63°C, 95% F TORAGE (-40°C, (ALTERNATE 22 CLING (5 CYCI H (STREMGTH 2 Vrms AT 2700	TO 63°C COLLOWING ACC ROM GA DEPAR 72 HOURS) 72 HOURS) 72 HOURS) 5°C TO 63°C, 5°C YCLES) 1.8 LBS.) Hz SIGNAL,	CELERATED TMENT 900 Hz SIGNAI 93% RH, 20 I HOUR)	СҮС	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE TUBING COUPLER CAVITY TABLE 3. POLARITY * POSITIVE SIGNAL	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394 2 CC SIMULATED	0 0 0 0 Vdc BIAS 0 LONG, I mm ( ) ANSI S3.7 TYPE H	5 5 10 .039) ID. A-3, (IEC 60	318-5)	PORT SOLDI TEMPI OI S RELI, L L H L L S S S S M L I N N C.O.	LOCATION: 12C IN TYPE: SAC 305 PATURE PERATING: SENSITI +1/-3 d TORAGE: -40°C TO ABILITY NITS WILL SURVIVE IFE TESTS, REPORT ALT TEST (8 WEEKS IGH TEMPERATURE ST WITEMPERATURE ST WH TEMPERATURE ST WH PHAT CYCLING HERMAL SHOCK (-40 DLDER/DESOLDER CY DLDER PAD STRENGT TRESS TEST (2.23 CHANICAL SHOCK AK TEST AFTER AG # Implementation	B FROM - 17°C 63°C ANY OF THE F AVAILABLE FF TORAGE (63°C, ORAGE (-40°C (ALTERNATE 25°C, 5°C, 6°C, 6°C, 6°C, 6°C, 6°C, 6°C, 6°C, 6	TO 63°C COLLOWING ACC ROM GA DEPAR 72 HOURS) 72 HOURS) 72 HOURS) 5°C TO 63°C, 5°C YCLES) 1.8 LBS.) Hz SIGNAL,	CELERATED TMENT 93% RH, 20 I HOUR) F THE ABOVE	СҮС	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE TUBING COUPLER CAVITY TABLE 3. POLARITY * POSITIVE SIGNAL	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394 2 CC SIMULATED	0 0 0 0 Vdc BIAS 0 LONG, I mm ( ) ANSI S3.7 TYPE H	5 5 10 .039) ID. A-3, (IEC 60	318-5)	PORT SOLDI TEMPI OI S REL I, UI L L H, H L C D S S S M I L C I I C I I I I I I I I I I I I I	LOCATION: 12C ER TYPE: SAC 305 ERATURE PERATING: SENSITI PERATING: SENSITI IT/3 d TORAGE: -40°C TO ABILITY WITS WILL SURVIVE IFE TESTS, REPORT ALT TEST (8 WEEKS IGH TEMPERATURE ST MUP HEAT CYCLING HERMAL SHOCK (-40 DUDER PAD STRENGT VDER PAD STRENGT CHANICAL SHOCK AK TEST (2.23 CCHANICAL SHOCK AK TEST AFTER AG IMPIEMENTATION IZO 2-25-11 J46 2-20-06	B FROM - 17°C 63°C ANY OF THE F AVAILABLE FF TORAGE (63°C, ORAGE (-40°C (ALTERNATE 25°C, 5°C, 6°C, 6°C, 6°C, 6°C, 6°C, 6°C, 6°C, 6	TO 63°C TO 63°C TO LOWING AC ROM GA DEPAR AC HOURS) T2 HOURS) T2 HOURS) T2 HOURS) T2 HOURS) T2 HOURS) T2 HOURS) T3 HOURS) T3 HOURS) T3 HOURS) T4 HOURS) T4 HOURS) T4 HOURS) T5 HOURS) T5 HOURS) T4 HOURS) T5 HOURS)	CELERATED TMENT 900 Hz SIGNAI 93% RH, 20 I HOUR) IF THE ABOVE	CYC TES	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE TUBING COUPLER CAVITY TABLE 3. POLARITY • POSITIVE SIGNAL DECREASE IN SOU	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394 2 CC SIMULATED IND PRESSURE A <sup>**</sup>	0 0 0 0 0 Vdc BIAS 0 LONG, I mm ( ) ANSI S3.7 TYPE H T THE SOUND OU	5 5 10 .039) ID. A-3, (IEC 60 PRODUCE A TLET.	Revisio 318-5)	PORT SOLDI TEMPI OI S RELIJ L L H H L C D S S S M M L C I I S S S S S S S S S S S S S	LOCATION: 12C IN TYPE: SAC 305 PATURE PERATING: SENSITI +1/-3 d TORAGE: -40°C TO ABILITY NITS WILL SURVIVE IFE TESTS, REPORT ALT TEST (8 WEEKS IGH TEMPERATURE ST WITS WILL SURVIVE IFE MPERATURE ST IGH TEMPERATURE ST IGT TO ST IGT	B FROM - 17°C 63°C ANY OF THE F AVAILABLE FF , 63°C, 95% F TORAGE (-40°C (ALTERNATE 22 °C TO 63°C, 5 CLING (5 CYCL H (STRENGTH 2 Vrms AT 2700 ING (NO LEAK Date	TO 63°C TOLLOWING AC ROM GA DEPAR RH, 0.83V, 5 72 HOURS) 72 HOURS) 5°C TO 63°C, 6 CYCLES) 1.8 LBS.) HZ SIGNAL, AFTER ANY C RELEASE LEVE Active	CELERATED TMENT 93% RH, 20 1 HOUR) F THE ABOVE	C Y C T E S	
DEVICE WILL NOT LISTED BELOW. FREQUENCY (Hz) 900 1350 500 TABLE 2. TEST CONDITIONS NOMINAL SOURCE VOLTAGE SOURCE IMPEDANCE TUBING COUPLER CAVITY TABLE 3. POLARITY • POSITIVE SIGNAL DECREASE IN SOU	0.119 V 0.119 V 0.336 V E 0.119 Vrms, < 1 Ω 10 mm (.394 2 CC SIMULATED IND PRESSURE A <sup>**</sup>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 10 .039) ID. A-3, (IEC 60 PRODUCE A TLET.	Revisio 318-5)	PORT SOLDI TEMPI OI S RELI, UI L H, H L L D, N TI S S S MI L I I I I I I I I I I I I I	LOCATION: 12C ER TYPE: SAC 305 ERATURE PERATING: SENSITI PERATING: SENSITI IT/3 d TORAGE: -40°C TO ABILITY WITS WILL SURVIVE IFE TESTS, REPORT ALT TEST (8 WEEKS IGH TEMPERATURE ST MUP HEAT CYCLING HERMAL SHOCK (-40 DUDER PAD STRENGT VDER PAD STRENGT CHANICAL SHOCK AK TEST (2.23 CCHANICAL SHOCK AK TEST AFTER AG IMPIEMENTATION IZO 2-25-11 J46 2-20-06	B FROM -17°C G3°C ANY OF THE F AVAILABLE FF , G3°C, 95% F TORAGE (-40°C, (ALTERNATE 25% CLING (-40°C, (ALTERNATE 25% CLING (5 CYCL H (STRENGTH 2 Vrms AT 2700 ING (NO LEAK Date COMING INSPECTION TH KNOWLES IS AL VARIATION	TO 63°C TOLLOWING AC ROM GA DEPAR RH, 0.83V, 5 72 HOURS) 72 HOURS) 5°C TO 63°C, 6 CYCLES) 1.8 LBS.) HZ SIGNAL, AFTER ANY C RELEASE LEVE Active	CELERATED TMENT 93% RH, 20 I HOUR) F THE ABOVE L C S S CK. BY	CYC TES REVI	